DOCUMENT RESUME

ED 032 463 AC 005 099

NASULGC Council on Extension, Committee on Program Innovation and Action Oriented Research: 1968 Report. Part 1. Program Innovations: Part 2. Action Oriented Research.

National Association of State Universities and Land Grant Colleges, Washington, D.C.

Pub Date Nov 68

Note-145p.

EDRS Price MF-$0.75 HC-$7.35

Descriptors-Action Research, Civil Defense, Educational Innovation, Educational Television, Fine Arts, *Land Grant Universities, Law Enforcement, Management Development, Professional Continuing Education, *Program Descriptions, Public Affairs Education, Race Relations, *State Universities, *University Extension, Womens Education

This report on extension activities of member institutions of the National Association of State Universities and Land Grant Colleges describes 91 program innovations and action oriented research activities. Objectives, sponsorship, program evaluations, and other data are cited for program innovations in such areas as continuing medical education, engineering and science, drama, family therapy, gerontology, management development, religious education, poverty, public administration, law enforcement, and oceanography. Projects on educational television, women's education, poverty, law enforcement, youth employment, civil defense, air pollution, management development, correspondence study, women's education, and several other topics appear in the second section. (ly)

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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NASULGC Council on Extension

November 1968

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NASULGC
Council on Extension

Committee on Program Innovation and Action Oriented Research

1968 Report

Your Committee on Program Innovation and Action Oriented Research is pleased to present its second annual report based on information gathered from member institutions of the Council on Extension.

In 1967 we provided an extensive listing of brief reports on program innovations at member institutions. Now this Report continues that activity with a new 1968 Survey of Program Innovations as Part I of this Report.

In addition, however, your Committee tried an "innovation" of its own and attempted to gather in "brief" form information on some action-oriented research activities at member institutions. The results appear under Part II of this Report titled "Action Oriented Research Activities."

Judging from requests which were received throughout the year for copies of the 1967 Report, information on program innovations appears useful to the membership of the Council.

Definite evaluation of the usefulness of Part I and Part II of the 1968 Report seems imperative, however, as a guideline for future action by this Committee. This Report is a time consuming and somewhat costly activity which should prove its usefulness if it is continued.

To all members who responded to the questionnaires requesting information for sharing purposes, we express our gratitude.

Committee on Program Innovation
and Action Oriented Research

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Council on Extension

NASULGC

Washington, D.C.

November 10-13, 1968

Committee on Program Innovation and Action Oriented Research

Report - Part I

Program Innovations

November 1968

1. UNIVERSITY OF CALIFORNIA

Name of program: Physicians-in-Residence Program

Objective (educational): To enable Medical Center specialists to teach in communities located at great distances from medical schools.

For whom intended: Physicians in outlying communities.

Length of program: 10 months

How financed: U. S. Public Health Service

How promoted: Personal contact with administrators and physicians at participating hospitals.

Number enrolled: 6 to 150 at each of the 14 participating hospitals

Details of the program innovation involved: The program is designed to pinpoint the types of continuing education programs in medicine which will have the greatest impact on improving patient care in smaller urban centers as determined by practicing physicians themselves. Existing medical facilities in each community are utilized with the aim of developing cooperative programs with physicians in their own geographical areas.

Evaluation done to determine effectiveness: The physicians-in-residence will hold a conference with the key contacts in the participating hospitals at the end of the current program.

For further information, contact:

Seymour M. Farber, M.D.
University of California San Francisco
Medical Center
Continuing Education in Health Sciences

2. UNIVERSITY OF CALIFORNIA

Name of program: Youth Radio Broadcasts

Objective (educational): To provide high school students with an opportunity to explore careers in the health sciences.

For whom intended: Bay Area youth, particularly those in ghetto areas.

Length of program: Eleven broadcasts - one hour each

How financed: U. S. Public Health Service

How promoted: Personal contact with school administrators throughout the Bay Area and via the mass media.

Number enrolled: Broadcast live to thousands throughout the Bay Area.

Details of the program innovation involved: Students themselves join with experts in such areas as inhalation therapy, dentistry, nursing, medicine, dental hygiene, dietetics and medical technology to discuss employment opportunities, training, admission requirements, and financial aids in the health sciences.

Evaluation done to determine effectiveness: Questionnaires and follow-up work programs.

For further information, contact:

Seymour M. Farber, M.D.
University of California San Francisco
Medical Center
Continuing Education in Health Sciences

3. UNIVERSITY OF CALIFORNIA, Santa Barbara Campus

Name of program: Contemporary Science And Engineering For The Senior Professional

Objective (educational): Professional upgrading - improve communications of these people with younger subordinates by updating them.

For whom intended: Top supervisor and administrators with past technical training.

Length of program: 36 weeks - 3 hours per day, 1 day per week

How financed: Contract

How promoted: Direct contact (personal)

Number enrolled: 30

Details of the program innovation involved: Brought faculty to employees activity. Briefed faculty about employee station so that they would be able to meet students and see problems first hand. Resulted in pitching lectures at a professional level yet not over heads of students.

Evaluation done to determine effectiveness: Yes-excellent

For further information, contact:

University of California Extension
Santa Barbara Campus

4. UNIVERSITY OF CALIFORNIA, Santa Barbara Campus

Name of program: Education in A Changing World

Objective (educational): To bring professional educators abreast of developments nationally in the field of curriculum development.

For whom intended: Teachers, administrators, supervisors, curriculum specialists.

Length of program: Three days

How financed: Instructional costs (guest speakers, panelists, consultants) paid from County Superintendent of Schools Inservice Education budget. Administrative costs (including coordinator's compensation) paid by Extension.

How promoted: By County Superintendent's Office.

Number enrolled: 50 (30 credit, 20 non-credit)

Details of the program innovation involved: The basic format was to begin each session with a lecture to the entire group followed by discussion group or "quest period" meetings. The outcomes of discussion groups were summarized at the final session. The innovative aspect of the program was the use of the tele-lecture system to bring Dr. J. Lloyd Trump's contribution to the discussion. Dr. Trump (from Washington, D. C.) presented the lecture, illustrated by slides, at the Saturday session. He participated again by the same method, as a member of a three-man panel. On both occasions microphones were accessible throughout the room to permit questions to be asked of Dr. Trump. This tele-lecture feature permitted more efficient use of the speaker's time and resulted in a great saving in terms of travel expense and honorarium.

Evaluation done to determine effectiveness: The standard Extension course-evaluation form was filled out by participants. In addition a more subjective and content-oriented evaluation form was prepared by the County Schools Office. A number of informal comments were solicited from participants and the instructional staff.

For further information, contact:

Bruce D. Johnson
Program Specialist
University of California Extension

5. UNIVERSITY OF CALIFORNIA, Santa Barbara Campus

Name of program: Man in the Age of Revolutionary Change

Objective (educational): Stimulate thought on contemporary changes, technological, political, social educational, etc. and future implications of changes.

For whom intended: Students, concerned citizens, etc.

Length of program: Ten weeks (weekly lectures & class sessions)

How financed: Course fee plus contribution by UCSB Associated Students.

How promoted: Special mailing brochure, UCSB Student Newspaper, University Extension catalog, general newspaper coverage.

Number enrolled: 45 in credit course; average of 225 attendees per lecture.

Details of the program innovation involved:

(1) Cooperation between University & private educational institution (Center for Study of Democratic Institutions)--Lectures involved a faculty member, a Center representative, and two students speaking on same topic .

(2) Cooperation between University Extension and Associated Students in financing program--so as to offer lectures to UCSB students at a reduced rate.

Evaluation done to determine effectiveness: Course and instructor evaluation done at completion of program.

For further information, contact:

University of California Extension
Santa Barbara Campus

6. UNIVERSITY OF CALIFORNIA, Santa Barbara Campus

Name of program: Theater in England 1968

Objective (educational): On-the-site exposure to and study of dramatic productions in England--from Shakespeare to contemporary.

For whom intended: College students majoring in Dramatic Arts; teachers of Dramatic Art; other interested individuals.

Length of program: Three weeks

How financed: Course fee

How promoted: Newspaper advertisements, special mailing brochure, University Extension catalog.

Number enrolled: 41

Details of the program innovation involved: College students majoring in Dramatic Arts and teachers of Dramatic Art plus other individuals who are interested are participating in the program.

Evaluation done to determine effectiveness: Continuous (daily journal) evaluation in England kept by participants. Overall written evaluation upon completion of program by participants and instructors.

For further information, contact:

University of California Extension
Santa Barbara Campus

7. UNIVERSITY OF COLORADO

Name of program: Training Program for Medical Record Personnel

Objective (educational): Better performance of technical tasks associated with the maintenance and custody of medical records.

For whom intended: Medical record personnel in small hospitals.

Length of program: Three week-long programs were held: December 4-8, 1967; March 4-8, 1968; and June 10-14, 1968.

How financed: Contract No. PH 110-232 with the Public Health Service, Department of Health, Education, and Welfare.

How promoted: The program was promoted through the membership of the Colorado Association of Medical Record Librarians, the Colorado Hospital Association, and the Colorado Medical Society.

Number enrolled: 35

Details of the program innovation involved: The actual contract was for the production of a manual for medical record students and instructors. The three courses were held to discover what was most needed in the field. The faculty was composed of adult educators and highly qualified medical record personnel from major hospitals. After each week-long session, the faculty members visited the hospitals of the participants, studying the medical records procedures used, offering suggestions, and making notes for the next sessions.

The participants thought the program was so valuable that they asked the University of Colorado and the State Department of Public Health to organize a fourth week for them, which they attended at their own expense. They now believe an annual program would be of great benefit.

Evaluation done to determine effectiveness: Extensive evaluations were made of each session by Dr. Robert Whetstone, University Examiner. The programs were highly rated by the participants.

For further information, contact:

(Mrs.) Diane Rees
Writer
Bureau of Continuation Education

8. UNIVERSITY OF DELAWARE

Name of program: Multiple and Individual Approaches in Family Therapy

Objective (educational): To improve techniques utilized by casework personnel in dealing with clients' problems.

For whom intended: Personnel of social and welfare agencies, educators, and clergymen.

Length of program: Two weeks, from June 17 to June 27, 1968.

How financed: Title I of the Higher Education Act of 1965 plus State matching funds.

How promoted: Brochures distributed to all public and private agencies, reinforced by newspaper and radio publicity.

Number enrolled: 106

Details of the program innovation involved: There is a need in Delaware for short-term training for persons called upon to serve as helping agents. In many instances, these individuals lack the basic tools and techniques necessary for constructive client-worker relationships.

A committee of workers drawing upon their own experiences and needs suggested a series of workshops in family counseling. Individual workshop topics included "Resolving Marital Conflict"; "The Family with an Alcoholic Member"; "Disturbed Parent-Child Relations"; "The Unwed Mother"; "The Fatherless Family"; and "Money Management for Low Income Families."

Agencies cooperated by granting released time for participants. The workshops were scheduled in such a manner as to permit participants to select any or all of the topics. Three of the workshops met for two days and three for one day. In both instances they were characterized by intensive interaction between participants and instructors. A major innovation of the "Money Management" workshop was the inclusion on the program of actual clients.

Evaluation done to determine effectiveness: Both objective and subjective means were utilized. An objective questionnaire form was distributed to participants in each workshop. Wherever possible, feedback was obtained through conferences and informal sessions with participants and agency supervisors.

For further information, contact:

Jacob Haber
Continuing Education Program Specialist

9. UNIVERSITY OF DELAWARE

Name of program: Seminar in Engineering Careers

Objective (educational): To acquaint high school sophomores with the applied science of engineering early enough to permit those interested in collegiate engineering study to elect more appropriate high school foundation courses in mathematics and the physical sciences.

For whom intended: 10th graders

Length of program: Six all-day Saturday programs over 11-week period.

How financed: Grant from local industry.

How promoted: Letter and brochure to high school guidance counselors, reinforced by newspaper publicity.

Number enrolled: Twenty-seven

Details of the program innovation involved: Although many high school students are well acquainted with the pure sciences, few have any concept of engineering as an applied science. The main program innovation was the requirement that the participating students, after exposure to design theory and to readings on this subject, design and experimentally test a model of a bridge of minimum weight to hold a given load; a low-drag station wagon; a low-cost pilot plant model of a water purification plant; and a digital add-and-carry computer circuit. A design competition was conducted, with prizes awarded.

Evaluation done to determine effectiveness: Students were asked for comments. The reaction was very favorable. The program reinforced the interest in engineering of most of the participants, although two indicated that their interest diminished. All of the students who had attended other career seminars said this one was a significant improvement because they learned something new about science and had acquired a genuine feeling for engineering.

For further information, contact:

John A. Murray

10. UNIVERSITY OF GEORGIA

Name of program:	Adult Development and Aging
Objective (educational):	To develop "teaching teams in gerontology" in colleges throughout Georgia, and use the teaching talent thus developed to convey basic information in gerontology from the fields of sociology, psychology, physiology, economics, and community service to those who are interested in making available new and improved service programs for older adults.
For whom intended:	(a) College teachers; (b) "community leaders" and "practitioners" in the field of aging; and (c) persons who are concerned with their own situations as aging or aged persons, and relatives and friends of such persons.
Length of program:	(a) Training seminars for college teachers, 6 days; (b) Course in Adult Development and Aging for "community leaders" and "practitioners", ten three-hour sessions.
How financed:	(a) Training seminar: U. S. Public Health Service; (b) Courses in Adult Development and Aging: U. S. Office of Education (Title I of Higher Education Act of 1965).
How promoted:	(a) Training seminars: by personal contact by a staff member of the Georgia Center for Continuing Education with the "Title I Designee" of colleges affiliated with the Georgia Community Education Service; (b) Courses in Adult Development and Aging: by a member of the college faculty in the community where the course is being offered who is designated as "Course Director and Mentor".

Number enrolled: (a) Training seminars: 63; (b) Course in Adult Development and Aging: 484.

Details of the program innovation involved: The main innovation is a matter of being opportunistic to taking advantage of several new conditions: (a) Increasing general interest in the field of aging; (b) The development of a Program of Instruction, Training and Research in Gerontology at the University of Georgia; (c) the availability of financial support; and (d) the new Georgia Community Education Service with a membership of interested colleges throughout the State.

A secondary innovation is the establishment of interdisciplinary teaching teams in participating colleges for the course in Adult Development and Aging, with local promotion and course direction vested in a "team leader".

Evaluation done to determine effectiveness: There are three measures of effectiveness to date:

(a) The participating colleges want to continue to teach the course in Adult Development and Aging, and are supporting a Curriculum Workshop to sharpen teaching talents of those already involved and recruit other faculty members from the same and additional colleges.

(b) There is increasing interest by communities in having the basic course in Adult Development and Aging offered to additional groups of "community leaders" and "practitioners", and state-wide agencies have expressed interest in having modifications of the basic course made a part of their training programs for staff members.

(c) Actual participation by college faculty and "community leaders" and "practitioners" as reported above.

For further information, contact:

T. W. Mahler

11. UNIVERSITY OF GEORGIA

Name of program: Regional Workshops on Simplified Financial Management in Local Government

Objective (educational): To train personnel from small towns and other small local government jurisdictions in Georgia in the techniques and concepts of local government financial management.

For whom intended: Local government officials responsible for budgeting, collecting, investing, and/or expending public funds.

Length of program: 45 hours

How financed: Each of the 17 workshops was financed by (1) $300 in fees from the participants, (2) $2,000 from Title I of the Higher Education Act, and (3) $1,700 from the University of Georgia.

How promoted: Mailings and personal contacts by University of Georgia, Georgia Municipal Association, Association County Commissioners of Georgia, area colleges and area planning and development commissions.

Number enrolled: A total of 235 completed the program in 17 locations.

Details of the program innovation involved: The University of Georgia's Institute of Government and Center for Continuing Education devoted almost twelve months in preparing an instructional manual for these workshops. The manual is based on Georgia's peculiar needs. The preparation of this manual was accomplished by bringing together faculty representatives and local government practitioners in order to provide the best possible technical materials in a basic form which could be understood and used by local officials in Georgia. All instructors were carefully selected on the basis of their experience in the field of governmental accounting. All were Certified Public Accountants.

Evaluation done to determine effectiveness: All students and instructors completed a post workshop reaction sheet. In-depth evaluations are now being conducted on selected communities to determine what changes are being made in these communities financial practices to improve their operations.

For further information, contact:

Harold F. Holtz

12. THE UNIVERSITY OF GEORGIA

Name of program: Workshop for Adult Educators Concerned With Educating Leadership Among Poverty Groups.

Objective (educational): Provide opportunity for college & public school adult educators to study problems relating to leadership development in poverty groups and approaches, methods & techniques appropriate for use in dealing with these problems.

For whom intended: Directors, coordinators and instructors in adult and continuing education programs.

Length of program: Three days, 20 hours of instruction.

How financed: Title I, Higher Education Act of 1965, University Funds and participant fees.

How promoted: Personal letters of invitation sent to college directors of continuing education and to local directors of adult education programs.

Number enrolled: Programmed for 30, but had 43 in attendance.

Details of the program innovation involved: The primary innovative feature of this workshop was that of bringing to the opening session of the workshop a class of Level III Adult Basic Education students and their teacher who discussed in a "class situation" their "hopes and dreams" for a better education, and how the instruction they were getting was helping toward the achievement of these dreams. The picture they drew of the kind of leadership needed in educational programs for the disadvantaged served to really "set the stage" for an excellent workshop.

Evaluation done to determine effectiveness: A Participant Evaluation Questionnaire completed by participants at end of workshop.

For further information, contact:

T. W. Mahler
Director, Georgia Center for Continuing Education

13. UNIVERSITY OF HAWAII

Name of program: Conversations With Youth

Objective (educational): To bring adults and young people together in the informality of a home where exchange of ideas can be relaxed and challenging.

For whom intended: Adults and young people.

Length of program: Once a week for two hours for six weeks--October 16 to November 21, 1968.

How financed: Fees

How promoted: Through leaflets

Number enrolled: -------------------------------------

Details of the program innovation involved: Discussion groups will be formed in many neighborhoods on Oahu. Each time the group meets a young person who speaks for the new ideas of youth will be in the group. This will keep the discussion close to what the younger generation is really thinking. In addition, there will be reading materials furnished to group members, and some TV materials will be available at that time. A skilled discussion leader will be assigned to each group.

Evaluation done to determine effectiveness: -----------------------

For further information, contact:

Marion Saunders
Program Specialist
College of General Studies

14. INDIANA UNIVERSITY

Name of program: The Kerner Commission Report: Black and White in America

Objective (educational): To enable citizens to deepen their knowledge of the race problems and related issues confronting the United States at the present time.

For whom intended: Individuals, and more particularly, small groups of friends, neighbors, business colleagues, etc. who are willing to invest time in the systematic pursuit of knowledge.

Length of program: Each individual or group registering for the course will have six months to complete.

How financed: Registration fees

How promoted: Letters and announcements sent to human rights commissions, church councils, business and labor groups, librarians, etc. Also personal visits with leaders of such groups. Also newspaper stories and an advertisement in IU Alumni magazine (forthcoming).

Number enrolled: Twenty-five to date (program was "launched" in late September)

Details of the program innovation involved: This is an attempt to apply the "study circle" or "correspondence circle" method of study which was developed primarily in the Scandinavian countries. Informal groups organize themselves and, using a study guide, pursue their homework assignments and then draft "position papers" on key public issues. These are submitted to the University for reading and commentary by specialists. The program represents an alliance between the Bureau of Public Discussion and the Correspondence Study Bureau in an effort to utilize a multiplicity of instructional methods. The study guide also stands on its own merits, i.e., there is no requirement that it be used via the correspondence study method. It can be used as a work paper at conferences or in the classroom.

Evaluation done to determine effectiveness: Two experimental groups were organized in Bloomington to try out a similar program earlier this year. Questionnaires were collected, which indicated unqualified enthusiasm. Moreover, most of the participants signed up again for the Kerner program and volunteered to try to form additional groups. We will do a similar survey later to test educational success.

For further information, contact:

Robert W. Hattery
Assistant Dean
Division of University Extension

15. UNIVERSITY OF MAINE

Name of program:	Poverty in Affluence---by tv and discussion groups
Objective (educational):	Sensitize adults in Maine to problems of the poor.
For whom intended:	Leaders in communities throughout the state.
Length of program:	October 8, 15, 22, 29, 1968; November 12, 19, 26, 1968; December 3, 10, 1968.
How financed:	Title I HEA
How promoted:	ETV, radio, newspapers and direct mail
Number enrolled:	Approximately 100

Details of the program innovation involved: 30 faculty from 9 Maine colleges used 14 preparing program and participating as discussion leaders. State ETV network used to show appropriate programs prior to discussion group meetings.

Evaluation done to determine effectiveness: To be done by faculty and Title I state co-ordinator.

For further information, contact:

John Blake, Director
Continuing Education Division

16. UNIVERSITY OF MAINE

Name of program: Teacher Aide Institutes. . . (Five Campuses of Univ. of Maine)

Objective (educational): To train 123 teacher aides for classroom work.

For whom intended: Already selected "teacher aides"

Length of program: Two weeks

How financed: Grant of $50,000 from Maine Department of Education.

How promoted: Selected by local administrators and State Department of Education.

Number enrolled: 123

Details of the program innovation involved: Handbook for Utilization of Teacher Aides, to be published by University of Maine. (Available December 1, 1968).

Evaluation done to determine effectiveness: 2 day workshop with master teacher from each institute and student evaluation.

For further information, contact:

John Blake, Director
Continuing Education Division

17. MICHIGAN STATE UNIVERSITY

Name of program:	An Experimental Educational Project In The Administration of Criminal Justice In Michigan Communities
Objective (educational):	The principle objective of this program is to: (a) Interpret and explore with Michigan law enforcement officers recent criminal law legislation and court pronouncements. (b) Develop guidelines for the application of laws in a variety of practical as well as theoretical situations. (c) Communicate these guidelines throughout the complex system for administration of criminal justice in Michigan.
For whom intended:	Law enforcement officers and prosecutors in the state of Michigan.
Length of program:	Work on the project is continuous. Production of television tapes is done during a three day conference. Regional in-the-field closed circuit television reviewing and workshop sessions are two days in length.
How financed:	Title I funds (Higher Education Act of 1965), and university appropriated funds.
How promoted:	Major promotion is by direct contact with law enforcement units in Michigan. This program is announced at all major law enforcement meetings in the state as well as through the use of a brochure mailed directly to law enforcement offices.
Number enrolled:	Over 600 law enforcement officers from all regions of the state.

__Details__ of the program innovation involved: Each year a selected set of law enforcement topics is presented to regional groups of law enforcement representatives through closed circuit, telephone or TV networks. The formal presentation of subject matter is followed with workshop discussion. In addition, the subject matter dealt with is published and distributed to program participants as well as others interested in the materials.

Evaluation done to determine effectiveness: Preliminary evaluation was carried out as a part of the Title I specification last year. Planned for this year's program is a detailed methodological as well as program impact evaluation.

For further information, contact:

Dr. Duane L. Gibson, Director
Institute for Community Development
Room #27, Kellogg Center
Michigan State University
East Lansing, Michigan 48823

18. MICHIGAN STATE UNIVERSITY

Name of program: Community Comprehensive Planning For Action

Objective (educational): The objective is to plan and carry out a community service educational program in growing Metropolitan problem areas of Michigan that will (a) provide officials and citizens with information necessary to understand and implement comprehensive intermunicipal development plans and administrative procedures, and (b) help institutionalize such procedure.

For whom intended: Government and planning officials, and their citizen advisory bodies.

Length of program: Continuous

How financed: Title I funds (Higher Education Act of 1965), university appropriated funds and community contributions.

How promoted: Notices, announcements, and invitations used in this program are carried out in a systematic informal manner by the regional planning agency involved. They use newspaper ads, personal contact, letters, telephone calls, etc. No formal published forms or promotion materials are used.

Number enrolled: An estimated 1,112 individuals benefitted directly from this project.

Details of the program innovation involved: Program work is carried out in conjunction with the local regional planning agency at their initiation and request but with the institute's advice and recommendations. Results of intensive data gathering and research work is disseminated in published form in conjunction with lectures, workshops and demonstrations. The activities range from highly selective audiences with very specific subject matter to open public meetings with very general information content.

Evaluation done to determine effectiveness: No formal evaluation has been completed to date.

For further information, contact:

Dr. Duane L. Gibson, Director
Institute for Community Development
Room #27, Kellogg Center
Michigan State University
East Lansing, Michigan 48823

19. MICHIGAN STATE UNIVERSITY

Name of program:	Workshop for Substitute Teachers
Objective (educational):	Since some of our public schools have to operate with a high percentage of substitute teachers, and since the minimum requirement is 60 semester hours of college credit (usually not in educational courses), there was an apparent need for intensive training.
For whom intended:	Persons holding substitute teaching certificates issued by State Department of Education and Intermediate School Districts.
Length of program:	Six weeks - 2 hour session per week - beginning August 21, 1968.
How financed:	Nominal fee of $5 per enrollee. Michigan State University, Western Michigan University and local schools provided resource people at little or no charge. Berrien County Intermediate school district provided workshop director and MSU provided the facility and equipment.
How promoted:	Letter mailed by Berrien County Intermediate School District Superintendent to several hundred persons certified to substitute in schools, K through 12.
Number enrolled:	Fifty (50) enrolled with regular attendance.
Details of the program innovation involved:	The Regional Director for MSU Continuing Education Center in Benton Harbor became aware of the need when he read in the newspapers that in one school alone it was necessary to have as many as 40 substitute teachers in a given day and yet classrooms would not all be filled with teachers. He inquired of training needs, and then invited Berrien County Intermediate

School District Superintendent and Regional Director for Western Michigan University to a planning session. (MSU and WMU share facilities at the Regional Center).

Evaluation done to determine effectiveness: The Workshop Director had the participants evaluate its program. All reports were most favorable, and they highly recommended it for all substitute teachers. Additional workshops are being planned in many other areas of the state as a result of this experimental program. Similar workshop is being developed for "Teacher's Aids."

For further information, contact:

Dr. A. S. Mowery
Director
Regional Center - Benton Harbor

20. MICHIGAN STATE UNIVERSITY

Name of program: World Affairs Seminars

Objective (educational): To reach Michigan influentials who can transmit information, take policy stand, and attempt to influence policy makers.

For whom intended: Corporation presidents, editors, bankers, social science teachers, ministers, agriculturalists, labor leaders and other influentials in the Michigan communities.

Length of program: Generally 4-5 evening sessions of 3 hours each.

How financed: Registration fees of $15 - $20.

How promoted: Through a local organization or outstanding citizens.

Number enrolled: 25-30

Details of the program innovation involved: Participants assume the role of policy makers and attempt to reach decisions on certain world affairs issues.

Evaluation done to determine effectiveness: None

For further information, contact:

Sheldon Cherney

21. MICHIGAN STATE UNIVERSITY

Name of program:	Young Audiences Inc. of Michigan
Objective (educational):	Educating tomorrow's audience and incouraging potential musicians.
For whom intended:	Fourth, fifth and sixth grade children.
Length of program:	45-minute dialogue-demonstration programs given throughout the academic year.
How financed:	Various sources: Young Audiences Inc. (through Ford Foundation monies), Michigan State Council for the Arts, PTAs, elementary schools, Musicians' Union, civic groups, etc.
How promoted:	Brochures
Number enrolled:	1967-68, 215 programs presented to 64,500 + children from Lake Superior to the Indiana border and from Lake Huron to Lake Michigan.

Details of the program innovation involved: Until Michigan State University developed the first statewide Young Audiences program, Young Audiences Inc. of New York City had worked through "chapters" located in cities with large resident symphony orchestras. The Michigan program includes performing ensembles from Hope College, Interlochen Arts Academy, Michigan State University, Northern Michigan University and Western Michigan University who feel that as tomorrow's performers and tomorrow's audiences are now young performers and young audiences, it is their goal to expose them to live performances by professional musicians, to give them an opportunity to hear good music, to present to them a variety of music literature and to stimulate an interest in music by making these programs pleasant and meaningful for them. These ensembles provide a statewide program which was initiated as a supplement to the school curriculum for both music and non-music students.

Evaluation done to determine effectiveness: Many schools have requested a second concert, enthusiastic letters have been received from students and teachers, and creative projects in other art areas have been developed from the Y.A. concert. We hope to find other avenues for evaluation for this academic year.

For further information, contact:

Virginia Hutcheson

22. THE UNIVERSITY OF MICHIGAN

Name of program: Learning Resources Center in Guidance and Counseling

Objective (educational): To teach a block of four semester hours in guidance and counseling through a combination of class meetings, independent study, small group seminars, and campus experiences in a new integrated format.

For whom intended: Part-time graduate students enrolling at the Dearborn branch of The University of Michigan.

Length of program: 15 weeks

How financed: Extension funds

How promoted: In regular course program bulletin of the Dearborn campus, Extension Program.

Number enrolled: Thirty-five students per semester

Details of the program innovation involved: Two professors in Guidance and Counseling were given a summer period to work out a new experimental format for two graduate courses in guidance and counseling normally taken consecutively but believed to be more effective when combined. Special tapes, supplementary readings and related self-testing materials were developed to integrate the content of these two courses and the final course included a Learning Resources Center with group and individual study carrols, multiple and individual listening posts, three class meetings during the fifteen week semester, interspersed with independent, individual and group study plus three full Saturday's on the campus during which periods students were exposed to a variety of authorities in the field of guidance and counseling plus intensive individual and group sessions using closed circuit television as a means of feedback.

Evaluation done to determine effectiveness: Pre and posttests were given to the students, survey questionnaires were used after the course and individual discussions probed the student reaction to the program (enthusiastic and postive).

For further information, contact:

Dr. Robert Wilson

23. THE UNIVERSITY OF MICHIGAN

Name of program: Regular course programs in Independent Study and Correspondence

Objective (educational): To improve the effectiveness of traditional correspondence study through the addition of multi-media following a programming analog.

For whom intended: Part-time students studying through the Correspondence Study Department, The University of Michigan.

Length of program: Selected courses some of which were changed entirely, while others were simply modified.

How financed: Departmental funds

How promoted: Through regular and supplemental publications from the Department.

Number enrolled: Varies with the course

Details of the program innovation involved: This is really an ongoing activity in the department and changes are made in selected courses each semester but the following multi-media devices have been introduced into one or more courses, provision for student to respond on tape and for instructor to evaluate student's response on the same tape so that we have "cumlative voice contact", specialized self-testing devices, answer guides and models for immediate feedback to student responses, telephone tutorials made available, a comprehensive program of special motivational letters beginning immediately after registration and carrying through at successively longer intervals until the completion date, variable "instructional density" i. e., the amount of learning material given the student at one time, and programmed instruction workbooks as supplements to the textbook.

Evaluation done to determine effectiveness: Evaluation going on presently.

For further information, contact:

Dr. Robert R. Wilson

24. UNIVERSITY OF MISSOURI

Name of program:	Social Change and New Directions in Continuing Education for Women
Objective (educational):	1) The identity of the educational needs of Missouri women. 2) The exploration of ways in which volunteer organizations could motivate women to pursue existing educational opportunities. 3) The exploration of the cooperative role of voluntary organizations and the University of Missouri in fulfilling the educational needs of women.
For whom intended:	For individuals with state-wide leadership responsibilities with voluntary organizations.
Length of program:	One and one-half days
How financed:	Financed by the University of Missouri Extension with supplemental funds from the Sears Foundation.
How promoted:	As the Seminar was invitational, participants were invited by personal letter followed by a formal invitation. Newsworthy material concerning the Seminar was released to the press.
Number enrolled:	Seventy-one (71) leaders from twenty-six (26) different voluntary organizations representing business, education, service, government, homemaking, and religious life participated in the invitational Seminar.

Details of the program innovation involved: This pioneer effort, involving a wide array of voluntary organizations, was designed to enhance inter-organization communication.

Evaluation done to determine effectiveness: To ascertain the effectiveness of the conference, personal visitation has transpired with selected voluntary organizational leaders who participated in the Seminar. As an outgrowth of the evaluation, another seminar for state leaders of voluntary organizations will be held in 1969 on "Social Concerns and Organizational Development: Analysis and Action". Furthermore, regional seminars programmed around "Social Change and New Directions in Continuing Education for Women" will transpire in six different sections of Missouri by mid year 1969.

For further information, contact:

Mary Nell Greenwood, Director
Continuing Education for Women
University of Missouri
Columbia, Missouri 65201

25. UNIVERSITY OF MISSOURI - ROLLA

Name of program: Civil Engineering Aides Training Program

Objective (educational): To train subprofessional assistance personnel for Civil Engineers.

For whom intended: Young men from depressed areas that had completed high school but would not necessarily obtain further education or training.

Length of program: 7 weeks

How financed: University and HUD

How promoted: --------------------------------------

Number enrolled: 40

Details of the program innovation involved: Boys from depressed areas (St. Louis, Kansas City, Missouri; Ghetto Areas) brought to Campus - away from home, close supervision by faculty. Course content - Practical Mathematics, Materials Testing, Surveying, Drafting - Approximately 300 hours of contact.

Evaluation done to determine effectiveness: Job placement and motivation to continue education.

For further information, contact:

John B. Heagler

26. UNIVERSITY OF MISSOURI - ROLLA

Name of program: Streets and Roads

Objective (educational): Short course to improve capability of municipal and county employees concerned with construction of Roads and Streets.

For whom intended: City and County construction and supervisory personnel.

Length of program: 9 hours - three 3 hour sessions

How financed: University and Title I-HUD

How promoted: Thru County Field Staff and Community Development Agent

Number enrolled: 15 courses - 220 enrollees

Details of the program innovation involved: Basic factors affecting performance of city streets and county roads. Construction and maintenance techniques for streets and roads.

Evaluation done to determine effectiveness: Evaluation questionnaire filled out by attendees and individual contact with some after course was completed.

For further information, contact:

John B. Heagler

27. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program: Aircraft Roles in Law Enforcement

Objective (educational): To determine use of a new tool and technique in law enforcement.

For whom intended: Police department staff

Length of program: 2 days

How financed: Fees

How promoted: Direct mail to police departments

Number enrolled: 22

Details of the program innovation involved: Extension is first to conduct this type of institute.

Evaluation done to determine effectiveness: Group has asked University to help it form permanent organization and conduct second institute.

For further information, contact:

Eugene P. Schwartz

28. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program: Community Communications Council for St. Louis, Missouri

Objective (educational): To bring together a group of Negroes, including both moderates and militants, to meet on a periodic basis with the top management of the major news media in St. Louis to acquaint the Negroes with the key personnel in the News media and to further acquaint News media personnel with the attitudes of the Negroes toward the News media. Through this double exposure it is hoped that Negroes will acquire greater access to the News media and the News media will develop greater sensitivity to the frustrations and aspirations of the Negroes.

For whom intended: Negro and News media leaders in St. Louis. Program Director - Dr. Earl J. Reeves, Associate Director, Center of Community and Metropolitan Studies.

Length of program: May - December, 1968, for the formal program but it is hoped that the increased contacts will be a continuing process.

How financed: Financed by a grant from $4,486 from the Mellett Fund for a Free and Responsible Press.

How promoted: Promoted by personal contact with the participants.

Number enrolled: About 12 Negroes and 8 to 20 news media personnel.

Details of the program innovation involved: The program began with two dinner meetings between the Negroes and one representative each from the *St. Louis Post-Dispatch*, *St. Louis Globe-Democrat*, KMOX TV, KMOX Radio, KSD TV, WIL Radio, KATZ Radio. These meetings were intended to sensitize the News media people to the attitudes of the Negroes and their evaluation of news coverage of the Negro community.

This was followed by a meeting with just the Negroes and the top management of one of the newspapers, and similar meetings will be held with the top managers of one of the radio stations, and one of the TV stations. Then the entire group will be convened for a final dinner-discussion meeting to seek to assess the impact of the entire process.

Evaluation done to determine effectiveness: Evaluation will come from the participants and from a content analysis of the newspapers from January to December, 1968.

For further information, contact:

Dr. Earl J. Reeves

29. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program: Development of an Administration of Justice Curriculum

Objective (educational): ------------------------------------

For whom intended: Professional applicants

Length of program: 4 years

How financed: Fees, tuition

How promoted: ------------------------------------

Number enrolled: ------------------------------------

Details of the program innovation involved: This is an example where an Extension Division took the lead in identifying a gap of professional education, conducted a study to determine need and interest, and then moved the machinery into action resulting in the development of a program in the Arts and Science College.

Evaluation done to determine effectiveness: --------------------

For further information, contact:

Eugene P. Schwartz

30. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program:	Financial Management for the Small Business
Objective (educational):	Increase skills of the small businessman with regard to financial management.
For whom intended:	Small businessman from inner-city areas.
Length of program:	8 weeks
How financed:	State of Missouri
How promoted:	Extension Division-University of Missouri-St. Louis.
Number enrolled:	Unknown (to be given late Oct. - Nov.)

Details of the program innovation involved: Designed to give ghetto businessmen an exposure to principles of finance including:

1) Calculation of interest rates
2) Capital budgeting procedures
3) Sources of funds
4) How to finance different assets

Evaluation done to determine effectiveness: N/A

For further information, contact:

Dr. R. W. Furst

31. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program: Model Rules for Juvenile Courts

Objective (educational): Develop revised guidelines for juvenile court judges.

For whom intended: Juvenile court judges

Length of program: 2 days

How financed: Fees

How promoted: Direct mail to judges

Number enrolled: 25

Details of the program innovation involved: Conducted in cooperation with the National Council on Crime and Delinquency to test out a proposed revised guideline.

Evaluation done to determine effectiveness: It has had effect in suggesting changes in the final model rules now being prepared for distribution to juvenile court judges over the world.

For further information, contact:

Eugene P. Schwartz

32. UNIVERSITY OF MISSOURI - ST. LOUIS

Name of program:	Summer Faculty Internship with the U. S. Civil Service Commission
Objective (educational):	To expose faculty members to actual operational problems of the Civil Service Commission and to utilize the faculty intern for both research and educational purposes.
For whom intended:	There were twenty-two faculty interns around the nation. Dr. Earl J. Reeves, Associate Director of the Center of Community and Metropolitan Studies was the participant for the St. Louis region.
Length of program:	Two months (July - August, 1968) for the internship but results are involving an on going teaching-consulting relationship.
How financed:	Salary paid by the U. S. Civil Service Comm.
How promoted:	--------------------------------------
Number enrolled:	Worked with numerous local federal officials during the internship and I am currently conducting training in "Communication Federal Employment Opportunities to Minorities and the Disadvantaged" for various Federal agencies in the St. Louis Civil Service region. In all these will reach 200-250 Federal managers.

Details of the program innovation involved: As a result of the research during the Summer Internship I prepared a report on "Communicating Federal Employment Opportunities to Minorities and the Disadvantaged". This report contained a variety of specific recommendations which are being considered by both the Washington and St. Louis Region Commission Offices. In addition, the information developed for the report is being utilized in a series of training programs for Federal managers conducted by the Civil Service Commission.

Evaluation done to determine effectiveness: Evaluation will come from acceptance of recommendations by the Commission and through regular evaluation of the Civil Service Training programs.

For further information, contact:

Dr. Earl J. Reeves

33. UNIVERSITY OF NEBRASKA

Name of program: Adult Education in Nebraska Schools

Objective (educational): To emphasize the need for all public schools, regardless of size, to assume a role of providing Adult Education experiences.

For whom intended: Local school board members and school administrators.

Length of program: One-day seminars in ten centers across the state.

How financed: Title I of Higher Education Act of 1965 and participant fees.

How promoted: Through Nebraska School Board Association communications, mailings to all school districts, and personal contacts.

Number enrolled: 452

Details of the program innovation involved: The idea was conceived as a result of observation and reconnaissance indicating very small number of schools were participating in State Adult Education Association, or actively involved in local adult education programs of any type. Only the large schools in the state have an individual assigned to Adult Education responsibilities. This indicated that small schools particularly feel no commitment.. The need to show them they should have a commitment was apparent.

Evaluation done to determine effectiveness: Participant questionnaire indicated high acceptance and approval of program content, and the way it was presented. As a result of the programs a number of schools are making plans to initiate Adult Education programs.

For further information, contact:

Monty McMahon

34. UNIVERSITY OF NEBRASKA

Name of program: European Fashion Tour

Objective (educational): To broaden experience and understanding to include a knowledge of the international fashion world.

For whom intended: Graduate students in the Department of Textiles, Clothing, and Design (Home Economics).

Length of program: Five weeks

How financed: Tuition

How promoted: Brochure mailings to public school Home Economics Teachers, and college departments throughout the country.

Number enrolled: 32

Details of the program innovation involved: Each student read extensively from a prepared bibliography prior to the tour, then selected a special interest area to explore, in addition to the general sightseeing and professional arrangements at fashion houses in:

Paris
Amsterdam
West Berlin
Munich
Venice
Florence
Rome

Evaluation done to determine effectiveness: Students were asked to submit written observations upon completion of the tour. Staff will evaluate, and make suggestions for future tours.

For further information, contact:

Earl Green

35. UNIVERSITY OF NEBRASKA

Name of program:	Non-Credit Certificate Series for Electrical Inspectors
Objective (educational):	To provide new educational programs to electrical inspectors across the nation through correspondence study.
For whom intended:	Active and Associate Members of the International Association of Electrical Inspectors.
Length of program:	Continuous. An inspector may enroll in any of six courses at any time.
How financed:	Program development financed by the Board of Directors of the IAEI. Instruction will be sustained by each student, some of whom will be reimbursed by their employers.
How promoted:	Primarily by feature article, editorials, and special announcements in the IAEI NEWS, the official news magazine for members of the IAEI.
Number enrolled:	Approximately 70 to date.

Details of the program innovation involved: This correspondence study certificate series has been created by special request from the IAEI Membership and the IAEI Board of Directors. Consequently, the National Board of Directors appointed an education committee to determine the content, develop the courses, and administer a special certificate to inspectors. This education committee has decided to work with the University of Nebraska Extension Division in the development and administration of the correspondence program.

Evaluation done to determine effectiveness: Evaluation of the courses will begin after the enrollees complete each course. Tentative plans include an opinionnaire and request for a personal reaction to the course as well as assessment of the students progress throughout the course.

For further information, contact:

John W. Upright

36. UNIVERSITY OF NORTH DAKOTA

Name of program:	Business Management - Homes for Aging and Senior Center Managers
Objective (educational):	Upgrading of Management and Administrative personnel in these agencies.
For whom intended:	Management and Administrative personnel.
Length of program:	Five days to eight days per rotation of subject areas.
How financed:	Homes, Centers, Division of Continuing Education.
How promoted:	Personal letter and direct contact.
Number enrolled:	120 to 300 persons per scheduled series of classes.

Details of the program innovation involved: The enclosed program is typical of the schedule of sessions arranged. Knowledgeable management people from non-profit businesses and from the college staffs are used.

Evaluation done to determine effectiveness: Continued demand for extension of services.

For further information, contact:

Ben G. Gustafson, Dean

37. UNIVERSITY OF NORTH DAKOTA

Name of program:	The Church and Higher Education
Objective (educational):	Upgrading or updating, the clergy and lay workers with regard to new educational research development.
For whom intended:	Campus and campus related church workers, clergy and lay people.
Length of program:	Three to five days.
How financed:	Cooperative - Church Agencies and Division of Continuing Education.
How promoted:	Churches and Division of Continuing Education.
Number enrolled:	50-75

Details of the program innovation involved: Dialogue between church leaders, faculty and students. Critical area discussions headed up by leaders of conflicting views if possible. This was one of the first such programs in the United States and is now being widely imitated.

Evaluation done to determine effectiveness: After four years, there is now a strong demand for continuance.

For further information, contact:

Ben G. Gustafson, Dean

38. UNIVERSITY OF NORTH DAKOTA

Name of program:	Management Assistance to Small Businesses
Objective (educational):	General Management training and consultant services to Small Businesses in North Dakota.
For whom intended:	Small business operators who are going into business or who need help because they have management problems.
Length of program:	Will run into 18-30 session hours per subject area.
How financed:	Small business - College of Business and Public Administration-Division of Continuing Education.
How promoted:	Now in the process of development.
Number enrolled:	Will be from 200 to 300 per management area.

Details of the program innovation involved: Plans are going forward to use the retired executives group - SCORE- as a principal resource of staff personnel in the implementation of the program. This will require close coordination with college and University staff personnel.

Evaluation done to determine effectiveness: None available at this time.

For further information, contact:

Ben G. Gustafson, Dean

39. THE OHIO STATE UNIVERSITY

Name of program:	Management Workshop for Small Business Managers
Objective (educational):	To provide the participants with insights into the possibilities which exist in the development and operation of a small business enterprise.
For whom intended:	Small business men, inner-city business men, basically Negro business men.
Length of program:	Two hours per week--15 weeks.
How financed:	Title I-Higher Education Act and modest fees.
How promoted:	Through Columbus Business League
Number enrolled:	25

Details of the program innovation involved:

(a) Provide an intense educational experience which will expose participants to the fundamental economic and managerial consideration which will permit effective and profitable development and operation of a small business enterprise.

(b) Develop a base of experienced small-business men who will organize other groups of small-business men, or aspirants, and develop similar programs of education through which opportunities for, and fundamentals of, small-business operation can be further diffused.

(c) Provide insights into the mechanics of developing and presenting educational programs so that future follow-on programs can be developed and presented

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by the initial participants in an efficient and effective manner.

Evaluation done to determine effectiveness: -----------------------

For further information, contact:

Robert W. McCormick
Assistant Vice President for Continuing
Education

40. THE OHIO STATE UNIVERSITY

Name of program: Plans For Progress Management Seminars

Objective (educational): The program content and format was designed to: (1) involve the participants in the problems of minority groups with emphasis centered in the real experiences and problems relevant to employment; (2) provide insights into the forces involved in inner city life; (3) provide a statistical picture of the Columbus, Ohio, area with interpretative discussion by sociologists actively involved in the problems of the inner city and to view at firsthand actual conditions of the inner city life; (4) discuss some of the implications for management and supervision in working with the youth and "hardcore" unemployed which are at the focus of the employment program.

For whom intended: Thirty-one firms which have pledged, through the National Alliance of Business, hundreds of jobs for hardcore "unemployables" and disadvantaged youth, sent middle management personnel.

Length of program: Two sessions-three days each.

How financed: Industry and business in Columbus area.

How promoted: By National Alliance of Business.

Number enrolled: 44

Details of the program innovation involved: Same as #2 above. Program received C & I Creativity Award. NUEA--Miami, Florida, 1968.

Evaluation done to determine effectiveness: Evaluations by the participants indicate that these objectives were accomplished well.

For further information, contact:

Robert W. McCormick
Assistant Vice President for Continuing Education

41. OKLAHOMA STATE UNIVERSITY

Name of program:	Cooperative College - School System Project
Objective (educational):	To develop a program for integrating economic concepts into the existing social studies curriculum in Grades K-12.
For whom intended:	Teachers, supervisors, and principals in the Ponca City, Oklahoma Public Schools. The project has been expanded to include a select group from Tulsa and Bartlesville, Oklahoma.
Length of program:	16 months for original grant (will know in December what action has been taken on a proposal for refunding the program for an additional 13 months.)
How financed:	National Science Foundation Cooperative College - School System Program
How promoted:	Publicity releases, personal contact, and through public school administrators.
Number enrolled:	Approximately 150

Details of the program innovation involved: Social studies teachers in Ponca City enrolled in two economic courses which were taught by economists from Oklahoma State University. An elementary and a secondary education curriculum specialist helped the teachers develop programmed material in economics for their respective classrooms. Teachers from the three school systems enrolled in a two-week economic workshop at O. S. U. to develop economic curriculum materials. These materials which will have been tested in the classroom will be refined in an economic curriculum workshop next summer. Two curriculum specialists and an economist will be working with the three school systems throughout the year.

Evaluation done to determine effectiveness: Evaluation forms have been developed to use in classroom testing of the curriculum materials. An assessment of the program will be made by an educational psychologist who has worked in a similar economic education program in Florida. Will have an assessor working with the materials next summer. An economist who has written classroom materials for Science Research Associates will visit the projects to evaluate the program.

For further information, contact:

Pauline Kopecky,
Assistant Director
Business Extension Service

42. OKLAHOMA STATE UNIVERSITY

Name of program: Governmental Accounting

Objective (educational): Upgrade city, county, and state accounting personnel, reduce the cost of annual audits, and provide training for students interested in the area of community improvement.

For whom intended: Municipal clerks; county clerks; city, county, and state school accountants; housing authority personnel; and others concerned with community developments.

Length of program: 48 weeks (three 16-week courses)

How financed: Employers and Title VIII, Federal Housing Act of 1964.

How promoted: Saturation mailing, publicity releases, and personal contact.

Number enrolled: 17

Details of the program innovation involved: The Oklahoma Association of Municipal Clerks, Treasurers, and Finance Officers requested a course that would be oriented to their particular situation that would begin with recordkeeping and comply with the laws of the state. The course was set up, tested, authorized for funding under Title VIII, and is presently being started in Oklahoma.

Evaluation done to determine effectiveness: Evaluation is done two ways: students are tested on class material to determine the effectiveness of instruction, and evaluation reports are made by students and employers to determine adequacy of material being taught.

For further information, contact:

Bernard W. Luster
Assistant Director
Business Extension Service

cc

43. OKLAHOMA STATE UNIVERSITY

Name of program: Peanut Dryers' Clinic

Objective (educational): To teach the knowledge required, the instrumentation necessary, and procedures used to balance air distribution in a peanut dryer.

For whom intended: The program was intended for managers of peanut dryers and their personnel that may be responsible for the adjustment of air control in a peanut dryer.

Length of program: 2 days

How financed: The students paid a fee of $10. This fee covered the cost of the educational visual aids and publications necessary. The instructors were paid by the University Departments of the Extension Division.

How promoted: It was promoted mainly by direct letters to a select group of Peanut Dryers in the state.

Number enrolled: 23 participants paid registration. 2-5 attended part time without paying.

Details of the program innovation involved: The innovations of this program were that students were instructed in the use of instruments that would enable them to balance the airflow rate in the plenum of the peanut dryer. This instruction included actual use of the instrument on a model peanut dryer and on the life-sized peanut drying systems.

Evaluation done to determine effectiveness: Questionnaire cards were sent to participants of the clinic asking them to comment upon the information presented in the short course. Responses to this questionnaire were light, but those cards that were returned indicated a favorable response.

For further information, contact:

Myron D. Paine

44. OREGON STATE SYSTEM OF HIGHER EDUCATION-- Division of Continuing Education

Name of program:	The Candidates Television Training Workshop
Objective (educational):	To enhance the communicative skills of those who may wish to use television in the development of their political campaigns.
For whom intended:	Political candidates
Length of program:	Two days
How financed:	Student fees
How promoted:	Brochure
Number enrolled:	19

Details of the program innovation involved: Actual production and studio work in the preparation and performance of the major forms of television utilized by political candidates, including experience in making the spot announcement, the television discussion, the televised talk, the preparation and evaluation of visual materials for television. Workshop participants had the opportunity to observe and use cameras, film and slide facilities, and a video-tape recording machine.

Evaluation done to determine effectiveness: Video tape recordings were used to evaluate and analyze each participant by the professional television staff of the Division of Broadcast Services, University of Oregon.

For further information, contact:

Leo Foltz

45. OREGON STATE SYSTEM OF HIGHER EDUCATION-- Division of Continuing Education

Name of program:	Evaluating Emotional Crises
Objective (educational):	To introduce basic psychiatric principles to ministers, and to facilitate their understanding of community needs for mental health resources.
For whom intended:	The Ministerial Association, Klamath Falls Oregon.
Length of program:	Eight weeks, two hours weekly
How financed:	Student fees
How promoted:	Ministerial Association promoted locally.
Number enrolled:	24

Details of the program innovation involved: Each session consisted in the playing of a one hour videotaped interview of psychiatrist and patient, followed by a one hour telelecture combined with telephone question and answer periods. The psychiatrist made the video tapes, delivered the telelecture, and answered questions from the University of Oregon Medical School, some 300 miles from the minister's classroom in Klamath Falls. Without these communication devices, the cost of the program would have been prohibitive.

Evaluation done to determine effectiveness: Student evaluation was made by questionnaire. Favorable response was overwhelming, creating a demand for more "in-depth" programs.

For further information, contact:

Leo Foltz

46. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: Ceramic Arts Conference --October 18-19, 1968

Objective (educational): The program provided for artistic exchange among artists, teachers and students interested in the future direction of ceramic arts programs in institutions of higher learning.

For whom intended: Artists, teachers and university students.

Length of program: Two days

How financed: Registration fee of $15.00; and funds provided by Penn State's Institute for the Arts and Humanistic Studies.

How promoted: Brochure to Departments of Art at universities and colleges throughout the United States.

Number enrolled: 45

Details of the program innovation involved: The conference brought together three prominent ceramic artists, each to present his own techniques through lecture, slide presentations and demonstrations. Each of these artists presented a different view and contrasting techniques, which provided the audience with a "total technique" in which they could actively participate.

Evaluation done to determine effectiveness: No evaluation.

For further information, contact:

Richard M. Bunnell

47. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: An Evaluation of Management Techniques

Objective (educational): To evaluate existing management techniques operative in the organization.

For whom intended: Local company office managers, Bureau of Employment Security, Department of Labor and Industry, State of Pennsylvania.

Length of program: Two years

How financed: Department of Labor and Industry (Federal and State)

How promoted: Promoted by the Bureau within the Department.

Number enrolled: 120 (40 in each workshop). All enrolled in correspondence study courses.

Details of the program innovation involved:

(a) A series of basic management workshops followed by enrollment of each participant in a correspondence study course in supervision.

(b) A series of advanced management workshops for all those having completed the first correspondence study course.

(c) Enrollment in an advanced correspondence study course for all those having participated in the advanced management workshop.

Evaluation done to determine effectiveness: Evaluation by special tests developed in terms of the content explored in the workshops and the correspondence study courses. Also verbal evaluation through small group meetings to be held in various locations throughout the state.

For further information, contact:

Paul S. Beaver

48. THE PENNSYLVANIA STATE UNIVERSITY

Name of program:	Library Information Service
Objective (educational):	To provide library service.
For whom intended:	All industry in Pennsylvania.
Length of program:	Continuous, contingent on financial support.
How financed:	Contract - under Pennsylvania Technical Services Act.
How promoted:	Manufacturer's Associations, professional organizations, radio, newspaper, brochures, personal contact.
Number enrolled:	------------------------------------

Details of the program innovation involved: The University Library is made available to industry throughout the State. Industry directs requests for information to our local branch campus and through the use of telecopier, the requests can be received and answered promptly by our Main Library.

Evaluation done to determine effectiveness: We have received many testimonials on the benefits of this program.

For further information, contact:

Walter C. Stewart

49. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: Looking at Materials

Objective (educational): To distribute information about the rapidly developing field of materials science from research scientists to applied scientists in industry who could profit from its application.

For whom intended: Industrial scientists and managers and supervisors in a position to utilize new information.

Length of program: 6 1/2-hour television presentations.

How financed: Contract with the Pennsylvania Technical Assistance Program, a cooperative effect of the Pennsylvania and United States Departments of Commerce.

How promoted: Direct mail to 35 commercial and educational television stations in the Commonwealth. On-air spots and newspaper releases by cooperating stations. Direct mail and professional Journal releases for Audio/Visual utilization.

Number enrolled: No enrollment. Total audience not reached yet.

Details of the program innovation involved: Because the field of materials science is such a new and rapidly developing one, articulate and knowledgeable spokesmen are scarce. In order to extend to a larger audience and to make more effective their presentation, a series of television videotapes and audio/visual films was prepared for on-air broadcast by commercial and educational television stations and for distribution to groups through Penn State's Audio/Visual Service. The flexibility of television and film allowed us to go directly into the laboratories of scientists at such research complexes as the General Electric Space Center at Valley Forge and the Eastman Kodak Hawkeye plant at Rochester, New York, and to see the research activities at Penn State's Materials Research Laboratory, among many other facilities. The result was to up-date materials scientists in the latest research information in the field and to stimulate industrial scientists to find new and profitable applications for the information.

Evaluation done to determine effectiveness: Programs were given pre-release previews before a selected small group from the intended audience for each and significant recommendations were incorporated into the release prints.

For further information, contact:

Marlowe Froke

50. THE PENNSYLVANIA STATE UNIVERSITY

Name of program:	National Institute on Innovative Curriculums in Vocational-Technical Education - July 7-12, 1968 at Penn State; July 22-26, 1968 at Santa Cruz, California.
Objective (educational):	To study the implications of innovative vocational curricula and vocational education roles as bases for improving human need fulfillment and human development through public education.
For whom intended:	University and college teachers, secondary school personnel, and state and local directors of vocational education schools and programs.
Length of program:	One week (each program).
How financed:	Grant from U. S. Department of Health, Education and Welfare.
How promoted:	Brochure (Sent only to selected people involved in vocational-technical education.)
Number enrolled:	30

Details of the program innovation involved: The program was developed for the purpose of accomplishing a specific objective as described in #2 above. The innovativeness of the program was the fact that it was developed and carried out in two locations, Penn State and the University of California at Santa Cruz. The same eleven consultants staffed both programs and were able to adjust and revise the program activities for the Santa Cruz conference based on their experience at Penn State. The major deviation from the usual conference format occurred with in-depth informal consultation between the consultants and participants. This resulted in accomplishing the objectives of the program;

namely, understanding, recognizing, identifying and development of innovative curriculums.

Evaluation done to determine effectiveness: Evaluation will be "ongoing" since the results of the conferences were intended to be the development of an action program in the field.

For further information, contact:

Richard M. Bunnell

51. THE PENNSYLVANIA STATE UNIVERSITY

Name of program:	The Sound of Progress (radio series)
Objective (educational):	To stimulate an interest and awareness among the general public and within business and industry of new developments in science and technology.
For whom intended:	Small and medium-sized business management and general population.
Length of program:	Continuing for an indefinite period.
How financed:	Continuing Education
How promoted:	Through news releases, WPSX-TV and the various radio stations involved.
Number enrolled:	No audience data is available, however it is estimated that weekly non-repeating audience numbers near one million.

Details of the program innovation involved: Five, 4 1/2 minute radio programs are produced each week from material gathered in interviews with university scientists, researchers and educators, plus Pennsylvania businessmen and industrialists. They are aired by 65 cooperating Pennsylvania radio stations at the present time. Listeners are urged to write for more information or to be placed in contact with the program guest who may be able to assist them with particular problems. In addition, taped copies of the programs are made available to schools, business firms, and other interested groups and individuals through Audio/Visual Services at Penn State.

Evaluation done to determine effectiveness: As with any type of broadcast communication, evaluation short of expensive audience surveys is difficult to obtain. Requests for information are received about once per week.

For further information, contact:

Richard L. Wiles
Penn State Radio, Special Project Director
Continuing Education Division of Broadcasting

52. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: A Symposium on Staging Shaw--March 3, 1968

Objective (educational): Few playwrights in the English language - outside of Shakespeare - have created as much interest and controversy as Shaw. It was the intent of this program to provide an opportunity for sophisticates and novitiates alike to share questions and enliven the experience of each. In this broad community of interest, the program was designed to provide a dialogue emerging from the accumulated experience of scholars, artists and audience.

For whom intended: Professional artists, university and secondary school teachers, and high school and college students.

Length of program: One day

How financed: Registration fee of $5.00 ($1.50 for students)

How promoted: Brochure mailed to Departments of Theatre Arts at colleges and universities throughout the country, and to high schools located in Pennsylvania.

Number enrolled: 115

Details of the program innovation involved: The Conference brought together diverse elements from the vast resources of the University, the professional theatre, and the community.

The program proceeded from a consideration of the text by two Penn State professors to a report of an eminent designer, Joe Mielziner, and the firsthand reminiscences of Leo Genn who worked with Shaw. There followed a full production of CAESAR and CLEOPATRA.

The film resources of the University were utilized, and a series of short films about Shaw and clips of his motion pictures were shown throughout the day. The effect of these ingredients was to create a "total environment" in which players and audience participated.

Evaluation done to determine effectiveness: No evaluation. We did not expect to arrive at definitive answers, but rather to create a sympathetic atmosphere in which the intention of Shaw could be illuminated.

For further information, contact:

Richard M. Bunnell

53. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: Two-Day Management Development Seminar

Objective (educational): To improve managerial effectiveness.

For whom intended: Warden and department heads, U. S. Penitentiary, Lewisburg, Pa.

Length of program: Two days

How financed: Federal Bureau of Prisons

How promoted: No promotion necessary.

Number enrolled: 20 each year (three years currently planned)

Details of the program innovation involved: Program planned in cooperation with a committee of executive level personnel from the penitentiary including the warden. Developed in terms of the unusual management and leadership problems of executives operating in the federal prison system. As far as we know the only university management development program operated by a university in a federal penitentiary.

Evaluation done to determine effectiveness: Evaluation form filled out by each participant; verbal evaluation by the committee.

For further information, contact:

Paul S. Beaver

54. THE PENNSYLVANIA STATE UNIVERSITY

Name of program: Workshop for Interviewers of Employment Security

Objective (educational): To provide professional employment interviewers and counselors an opportunity for in-depth study in interviewing and counseling techniques.

For whom intended: Interviewers and counselors employed by the Pennsylvania Department of Employment Security. Professionals who counsel and assist unemployed persons in locating suitable employment and/or obtaining retraining necessary to find satisfactory employment.

Length of program: Two weeks

How financed: Funded by the Pennsylvania Department of Employment Security.

How promoted: The participants were selected by the Director of Training, Pennsylvania Department of Employment Security.

Number enrolled: 80 (Four two-week workshops with 20 participants in each workshop.)

Details of the program innovation involved: The use of closed circuit TV and video taping was an integral part of the program. Each participant took part in a 15 minute "role played" situation in the areas of interviewing, counseling and testing. Immediately following each session, the participant and a member of Penn State's Counselor Education staff evaluated the individual's performance and selected portions of the video tape to be presented to the entire group for a final critique.

Page Two
The Pennsylvania State University (continued)
(Workshop for Interviewers of Employment Security)

Evaluation done to determine effectiveness: Four to seven weeks following the workshop the program director visited the office of each participant.

For further information, contact:

Richard M. Bunnell

55. RUTGERS - THE STATE UNIVERSITY

Name of program: Minority Groups and Management Practice in Plant

Objective (educational): Identify problems and suggest solutions.

For whom intended: Top policy makers in business and industry.

Length of program: One day

How financed: $15.00 registration fee

How promoted: Letter of information.

Number enrolled: 135

Details of the program innovation involved:

(a) Active participation of Negro community in program planning and implementation.
(b) Workshop period for audience teams.
(c) According to comments received, many participants for the first time gained realistic insight into motivations, aspirations and frustrations of ghetto residents and members of the Negro community at large.

Evaluation done to determine effectiveness: A conference evaluation sheet was sent to participants of the conference.

For further information, contact:

Adolph W. Stuhr

56. RUTGERS - THE STATE UNIVERSITY

Name of program: Rehabilitation of the Public Offender

Objective (educational): To bring together key individuals in the fields of Rehabilitation and Correction and Parole to:

(a) Obtain an insight and appreciation of the functions of the participating disciplines.
(b) Identify areas where cooperation is possible to serve individuals who may benefit from the services.
(c) Define obstacles that may interfere with working together.
(d) Determine how these obstacles may be eliminated.
(e) Set up a platform for action.

For whom intended: Administrative staff and specialized counselors from Rehabilitation, Correction and Parole within Region II (New Jersey, Pennsylvania, New York, and Delaware).

Academic specialists in fields pertinent to the rehabilitation of the public offender.

Interested individuals from private and public agencies (e. g., the courts, prosecutors' offices, anti-poverty programs, and such private agencies as the Morrow Association on Correction in New Jersey).

Length of program: 3 days (October 9-10-11, 1967)

How financed: Short-term training grant from Rehabilitation Services Administration, Department of Health, Education and Welfare.

How promoted: By invitation to pre-selected audience within Region II, R. S. A. (see For whom intended:)

Page Two
Rutgers - The State University (continued)
(Rehabilitation of the Public Offender)

Number enrolled: 70

Details of the program innovation involved: An attempt to bring together the fields of correction and rehabilitation in order to pool their experiences and programs dealing with the public offender. In addition, the Institute created a favorable atmosphere for correctional and rehabilitation people to inspire their working relationships. The promotional pieces, course outline, general arrangements, finance planning and other details devised at Rutgers are to be used as models for future rehabilitation programs conducted by the R. S. A. at other Universities.

Evaluation done to determine effectiveness: A special evaluation of the program conducted by Region II. R. S. A. representatives disclosed that this Institute was the most outstanding program conducted at Universities.

For further information, contact:

Joseph W. Czapp

57. THE UNIVERSITY OF TENNESSEE

Name of program: Graduate Courses in Engineering by electrowriter at distant points

Objective (educational): To teach graduate courses directly to engineers working in industries.

For whom intended: Graduate engineers who cannot come to the campus for graduate study.

Length of program: Each course is one-quarter long, running concurrently with the resident courses.

How financed: Enrollment fees

How promoted: Visits to plants

Number enrolled: Four courses had total enrollment of 35.

Details of the program innovation involved: The innovative factor here is the use of long distance telephone lines to transmit voice both ways and electrowriter impressions from the campus to the plant. This makes it possible to offer graduate courses by the most competent professors to off-campus locations at the same time these men are teaching the same class on campus. In other words, the professor has a resident class in front of him and an off-campus class at a remote spot, teaching both at the same time. The off-campus course carries resident credit.

Evaluation done to determine effectiveness: The University of Tennessee Office of Institutional Research did a study on teaching by this method earlier, with affirmative results.

For further information, contact:

J. E. Arnold, Dean
Division of University Extension
Knoxville Evening School and Extension Center

58. THE UNIVERSITY OF TENNESSEE

Name of program: Medical Laboratory Assistants Teacher Education Institute

Objective (educational): To design a comprehensive plan for a Teacher Education Institute to upgrade present and potential instructors in health occupations education programs.

For whom intended: Teachers and administrators of educational programs in the health sciences.

Length of program: Two weeks

How financed: U. S. Office of Education

How promoted: Printed pieces, direct mail, mass media, word of mouth.

Number enrolled: Twenty-two

Details of the program innovation involved: Cooperating in this pilot program was the National Committee for Careers in Medical Technology, and the National Council on Medical Technology Education. A teacher education curriculum was developed, incorporating recognized teaching principles, and using new educational methods, media, and materials. This was a pilot institute, carefully evaluated by the faculty, the National Council on Medical Technology, and the Educational Testing Service. Results were quite positive, thus indicating that educational specialists working with content specialists can design a program to meet specific teacher training needs.

Evaluation done to determine effectiveness: Testing and evaluation by Educational Testing Service, National Council on Medical Technology, and faculty of the institute.

For further information, contact:

J. E. Arnold, Dean
Downtown Memphis Center

59. UNIVERSITY CENTER FOR ADULT EDUCATION

(Wayne State University, The University of Michigan, Eastern Michigan University)

Name of program: Studies in Black and White

Objective (educational): A three-course program to examine patterns of thinking about race.

For whom intended: All interested adults.

Length of program: Twelve weeks

How financed: Individual payment of fees

How promoted: Newspaper releases, radio and television announcements, direct mail to selected lists, clergy, civil rights organizations, etc.

Number enrolled: Final totals still undetermined--approximately 200.

Details of the program innovation involved: The use of the debate format bringing together actively opposing attitudes. The coverage of literary, historical, sociological and psychological perspectives. The approach of issues from the perspective of blacks and likened to the perspectives of whites.

Evaluation done to determine effectiveness: Incomplete. This program has just commenced.

For further information, contact:

Carl Brahce
University Center for Adult Education

60. UNIVERSITY OF VIRGINIA - The Northern Virginia Center

Name of program: Educational Media Institute

Objective (educational): To train public school librarians in the organization and management of the media service program in the individual school.

For whom intended: Fairfax County school librarians.

Length of program: Six weeks, 8:00 a.m. to 4:00 p.m.

How financed: Fairfax County School Board allocated $61,520.00 for this institute. Instructors were employed by the Northern Virginia Center of the University of Virginia.

How promoted: Through memoranda to principals and librarians in Fairfax County, the summer brochure of the NVC, and a radio (WEEL) interview of Mrs. Gratia Groves.

Number enrolled: Sixty

Details of the program innovation involved: Mrs. Gratia Groves, Coordinator of Education for the Northern Virginia Center served as associate director. The entire program was based on the proposal which was submitted by Mrs. Groves to the U. S. Office of Education under Title XI and which was not funded. Fairfax County School Board thought so highly of the proposal that they provided the funds for student tuition, student stipends and visiting consultant fees.

Instruction was by staff employed by Northern Virginia Center. Each participant received six hours of graduate credit from any two of four courses offered.

The participants were involved in:
operation of equipment
production of materials

- techniques of evaluation
- field trips to see specialized media programs in operation
- design of library-media centers
- coordination and management of the school media program
- individual tape-slide-transparency presentations

Evaluation done to determine effectiveness: (a) Inventory of Interests and Competencies (b) Evaluation of Institute.

For further information, contact:

Dean E. Brundage, Director
The Northern Virginia Center
School of General Studies
200 Park Ave., Falls Church, Va. 22046

61. UNIVERSITY OF VIRGINIA - The Northern Virginia Center

Name of program: Oceanography: A New World Beneath the Sea. One of sixteen non-credit courses offered under the Study-Discussion Program.

Objective (educational): Because of general public interest in the whole developing field of oceanography, this course was developed to give a better perspective of the depth and scope of the subject.

For whom intended: The adult public. There were no academic requirements.

Length of program: Eight weeks - one evening per week for two hours.

How financed: Through School of General Studies funds and the nominal tuition fee of $15 per person or $20 per family couple.

How promoted: Through newspaper articles, radio public service announcements, and the Study-Discussion Brochure.

Number enrolled: 30

Details of the program innovation involved: Discussion was led by Dr. James Herzog, a Navy Captain, who used exceptionally fine short movies obtained from the Navy and private business, current news articles, and THE LIVING SEA by Jacques-Yves Cousteau as aids.

Evaluation done to determine effectiveness: None for this informal, non-credit course. However, the enthusiasm of the participants and the excellent registration response should be noted.

For further information, contact:

Dean E. Brundage, Director
The Northern Virginia Center
School of General Studies
200 Park Ave., Falls Church, Va. 22046

62. UNIVERSITY OF VIRGINIA - The Northern Virginia Center

Name of program:	Virginia 1968 - a non-credit study and discussion program
Objective (educational):	A citizen education program to help Virginians become better informed about their state--its operation, its legislation, and its fiscal policies.
For whom intended:	Any adult interested in the workings of government, particularly on the state and local levels. There were no academic requirements.
Length of program:	Eight weeks - one evening per week for two hours.
How financed:	Through School of General Studies funds and the nominal tuition fee of $15 per person or $20 per family couple.
How promoted:	Through newspaper articles, radio public service announcements, and the Virginia 1968 Brochure.
Number enrolled:	85

Details of the program innovation involved: The Fairfax County Federation of Citizens Associations planned and organized this course under the guidance and auspices of the Northern Virginia Center to help citizens become better informed on various aspects of government and to achieve greater citizen effectiveness in governmental affairs.

It presented a unique opportunity for citizens to meet State legislators, educators, authors, economists, and other civic leaders face-to-face and provided give-and-take discussion between the guest speakers and the students.

(Virginia 1968 - a non-credit study and discussion program

Evaluation done to determine effectiveness: Although no formal evaluation has been made of this short non-credit program, both speakers and participants praised it highly.

For further information, contact:

Dean E. Brundage, Director
The Northern Virginia Center
School of General Studies
200 Park Ave., Falls Church, Va. 22046

63. VIRGINIA STATE COLLEGE

Name of program: Americans From Africa: A History

Objective (educational): To make teachers, students and other viewers aware of the role played by Negroes in the development of this country and its life and culture.

For whom intended: In-service teachers

Length of program: One semester

How financed: A grant from the Old Dominion Foundation to Central Virginia Educational Television.

How promoted: Newspaper accounts

Number enrolled: 2000 expected

Details of the program innovation involved: This course is available for credit through many colleges in central Virginia.

Evaluation done to determine effectiveness: None-to-date.

For further information, contact:

Dr. Samuel Madden

64. VIRGINIA STATE COLLEGE

Name of program: Seminar on the Negro in American History

Objective (educational): The sessions of the Seminar are designed to provide a brief account of the role of the Negro in the making of America.

For whom intended: Seminar sessions are open to all persons of the community without regard to religion, race, creed or educational background.

Length of program: April 9, April 16, April 23, April 30

How financed: A Virginia Service of Title I of the Higher Education Act of 1965

How promoted: There are newspaper accounts and invitations to all teachers of the area.

Number enrolled: 74

Details of the program innovation involved: Through the use of selected films, lecturers, consultants, exhibits and selected readings, the seminar sessions will focus on the Negro's vital part in American history.

Evaluation done to determine effectiveness: Several schools are adding materials about the Negro in the teaching of American history.

For further information, contact:

Dr. Samuel Madden

65. UNIVERSITY OF WASHINGTON

Name of program: Statewide Program for the Continuing Education of Women

Objective (educational): To provide increased educational and vocational service to women in the State of Washington to enable them to find where they are needed, both in paid employment and in volunteer capacities, also to provide counseling and other services to women who are resuming an interrupted education. Finally to assist other agencies and institutions in the state in providing similar services.

For whom intended: Basically, the mature women of the State of Washington who have a need for these services.

Length of program: Indefinite. The program was inaugurated in 1968.

How financed: Initially, the program is being supported with matching funds from Title I of the Higher Education Act of 1965.

How promoted: A brochure describing the services of this office is in preparation.

Number enrolled: Not known at this time.

Details of the program innovation involved: The program is innovative partly because it is statewide in scope, but also in large measure because of the diverse services which will be provided within the program: (1) Assistance to higher educational institutions, including particularly the community colleges, will be initiated through a statewide invitational conference on the University campus. Extensive field service will be made available to institutions within the state;

(2) Communication with and among civil groups, governmental agencies, and the private sector will be facilitated through individual and group conferences as each group works toward a more effective use of woman-power; (3) the program staff will co-ordinate statewide action research on needs of women in the communities where pilot programs are undertaken and co-operate with on-going and new research on such closely related problems as those pertaining to part-time employment and child care; (4) extensive counseling and guidance services will be offered to mature women in the areas of employment, education, and so on.

Evaluation done to determine effectiveness: Both quantitative and qualitative measure of evaluation will be undertaken, including longitudinal studies of women served through the program. An advisory board of University faculty and administrators has been appointed to provide guidance to the program.

For further information, contact:

(Mrs.) Dorothy Strawn
Dean of Women

66. UNIVERSITY OF WASHINGTON

Name of program: Survey of Oceanography, Oceanography CIOI--first college-credit correspondence course in oceanography.

Objective (educational): Parallels survey course offered to lower-division students at the University of Washington. Provides fundamental understanding of how scientific disciplines (chemistry, geology, etc.) relate within the ocean framework.

For whom intended: Open to anyone with basic knowledge of algebra and chemistry.

Length of program: Correspondence registrants have one year to complete the course, in which time they submit 24 problem sets and take 3 supervised exams.

How financed: Tuition fees of $10 per credit ($50 for this 5-credit course).

How promoted: Flyers sent ot selected mailing lists; p. r. releases to scientific and educational journals and distributed world-wide to newspapers.

Number enrolled: Enrollment is continuous in a correspondence course, since each registrant is a class of one. Registrations average 28 per month (our next most popular course averages 10-12; most average 4-5).

Details of the program innovation involved: This course is unique as a correspondence course because it is the first college-level approach to the subject, and not because of a revolutionary new format. The syllabus contains comprehensive amplification of the texts. Assigning problem sets serves two purposes: students must demonstrate they understand the principles studied, and such problems with set answers can be graded quickly and returned by the instructor. The most surprising part of the course is the caliber and range of students. More than 50% are professionals--engineers, geologists, physicists, teachers, from Europe, South America, Africa, and Asia, as well as every region in the U. S. We feel this course well demonstrates the interest felt by mature professionals in refreshing their knowledge by continuing education, and think there would be equal interest in other courses of independent study of this type.

Evaluation done to determine effectiveness: Questionnaires submitted to completing students. Also, many letters and calls requesting information mention it was recommended by former students.

For further information, contact:

Dr. Richard Wilkie
Director of Correspondence Study

67. UNIVERSITY OF WYOMING

Name of program:	History of Art
Objective (educational):	Enrichment
For whom intended:	Students and citizens in Carbon County
Length of program:	Ten sessions of 90 to 120 minutes per session.
How financed:	Federal grant
How promoted:	Through personal contact.
Number enrolled:	Approximately 80

Details of the program innovation involved: In considering the merits of this innovative programming idea the reader must keep in mind the existing educational and geographic situation which brought about the need for this approach.

Carbon County, Wyoming, is large in geographic area but small in population. This fact leads to a common problem faced by a number of schools in this part of the country--an enrollment too small to justify the necessary staff required to offer a well-balanced curriculum. To help alleviate this problem the schools in Carbon County banded together in an attempt to solve their common problems through a cooperative effort. One of these problems, a lack of adequate instructional personnel in the area of art, was met by calling for assistance from the University of Wyoming. Help from the University alone was not enough. It would have been a physical impossibility for a faculty member to reach all six of the schools for the necessary number of class meetings.

Obviously assistance from some other means was necessary. The communications industry had what appeared to be an electronic vehicle suitable to bridge the dollars-miles-time gap between the University and the six cooperating schools in Carbon County.

Arrangements were made with the Mountain States Telephone Company for the utilization of the above mentioned electronic device, the Victor Electromagnetic Remote Blackboard, to provide this needed assistance. A private telephone hookup was established between the University of Wyoming campus and the six high schools in Carbon County. This installation allowed oral interaction among the six schools, the Carbon County Superintendent of Schools, the project coordinator, and the University. The VERB equipment operated over these same telephone lines. This equipment allows an individual to write (or draw) on a transmitting machine, and have the image carried over the telephone lines to a receiver where it is picked up on a roll of transparent material from which it is projected on a screen, much in the same way an overhead projector operates.

Professor James Boyle, Head of the University of Wyoming Art Department, agreed to present the enrichment material, a course on art history, to the students in Carbon County. The course can be described as a study of ancient, medieval, renaissance, and modern art with special reference to the various social, economic, and historic factors which motivated and conditioned the aesthetic forms. The program was planned around an extensive collection of 35mm color slides. These slides were duplicated and a set was given to each school participating in the program. As Professor Boyle, working from the campus would project a slide for his use, a slide projector operator would project the same slide in the classroom at each of the participating schools. These sets of slides were organized so that the correct slides were easily located without searching or confusion. As soon as the appropriate slide was in view at each school Professor Boyle would begin his discourse. His comments were supplemented by his use of the VERB equipment--he was able to sketch or otherwise expand on his comments just as he could if he were in the same room as his students and using a chalkboard visible to all of them. . The two-way telephone connection allowed an exchange of ideas between Professor Boyle and the students. Professor Boyle also traveled to the Rawlins center for two face-to-face meetings with the students. Participants from the other locations were bussed to Rawlins for these sessions.

The class was designed as a non-credit offering for the students in the six high schools in Carbon County. Participation by the students was on a voluntary basis and as the program progressed a number of teachers from each school began attending the sessions. All sessions were held in the evening at the local schools, where the VERB equipment had been installed. The sessions were scheduled for 90 minutes but usually extended to a full two hours as the group's enthusiasm carried them well beyond their scheduled termination time.

This program resulted in an opportunity for high school students to participate in a program of cultural enrichment, under the direction of one of the most respected artists and art teachers in the state, which would not have been available to them in any other way because of the excessive cost created by distances and the necessary investment in man hours.

Evaluation done to determine effectiveness: Requests for continued programming of this nature would indicate that it is effective.

For further information, contact:

John D. Alford
Acting Director
Division of Adult Education and Community Service

68. UNIVERSITY OF WYOMING

Name of program: Paint Brush Dancers Program/Clinic.

Objective (educational): Enrichment

For whom intended: Program--Total school enrollment and in some cases, citizens of the individual communities. Clinic--Female physical education teachers and students.

Length of program: Program--Usually one hour. Clinic--Dependent on the lengths of the class periods in the individual schools.

How financed: Locally

How promoted: Personal contact

Number enrolled: No one actually enrolled--attendance, in both the program and clinics, varied depending on enrollments in each school.

Details of the program innovation involved: The University of Wyoming's Division of Adult Education and Community Service works closely with the public schools and community colleges in the state. Often this involves providing enrichment programs such as dramatic presentations, musical groups, speakers, and other offerings available from the University. The average program is an hour in length. Costs to individual schools, due to mileage and per diem charges, run quite high in terms of the school's available resources. Many administrators feel that this is a luxury they cannot afford. Various approaches have been tried, including the scheduling of "tours," so that a number of schools might share the expenses. Often this proves unsatisfactory as the schools are unable to find mutually agreeable dates for programming. There is the added problem of lengthy tours keeping the University personnel away from the campus for long periods of time. This is not advisable for students or faculty.

One of the groups which has proved to be popular is the Paint Brush Dancers, the modern dance group from the University's Department of Health and Physical Education. Their interpretive dancing programs have proven to be as popular with the schools as they have with the adult audiences in the state.

In order to provide a program which would be suitable in terms of "benefit received for dollars spent," it was decided to make a modern dance clinic, as well as the program, available to each school. Under the new arrangements the group provides a brief program for the entire student body and meets throughout the day with each of the girls physical education classes. This provides an opportunity for additional demonstration plus special assistance for individual girls. The Paint Brush Dancers group consists of six to ten student dancers plus the faculty advisor who also dances with them. This number of "teachers" is a real boon in terms of the individual help that can be provided. The program usually results in an increase of interest in this often neglected area of physical education. It is also hoped that the program will kindle an interest in interpretive dancing that will follow many of the girls into their adult years.

Page Three
University of Wyoming (continued)
(Paint Brush Dancers Program/Clinic)

Evaluation done to determine effectiveness: Some requests have had to be refused to keep from overloading the group.

For further information, contact:

John D. Alford
Acting Director
Division of Adult Education and Community Service

AC005099

Council on Extension

NASULGC

Washington, D. C.

November 10-13, 1968

Committee on Program Innovation
and Action Oriented Research

Report - Part II

Action Oriented Research Activities

November 1968

[illegible] UNIVERSITY OF CALIFORNIA

Title of research project:	Feasibility of Televised Continuing Medical Education
Brief (one paragraph) abstract:	Television productions on "This Moment in Medicine" bring the latest in research and procedures to subscribing hospitals in Northern California. Tapes are also exchanged with other production centers. Program objectives are to upgrade physicians through continuing education via television media, ultimately to improve patient care.
Significant results:	Programs are still in progress and evaluation is not yet completed.
Research completed or in progress:	The study of the feasibility of "scrambled" broadcast medical television.
Research project financed by:	U. S. Public Health Service
Report available from:	Not yet available.
Cost of report:	----------------------------------
Other comments:	A progress report on the television project has been submitted to U. S. P. H. S.
Name of person submitting information:	Seymour M. Farber, M. D. University of California San Francisco Medical Center Continuing Education in Health Sciences

3. UNIVERSITY OF CALIFORNIA, Santa Barbara Campus

Title of research project:	Stimulate Community Cooperation in Air Conservation
Brief (one paragraph) abstract:	Bring together all segments of community for an educational experience--to stimulate feedback in formulating local legislation for control district.
Significant results:	Conference well received by everyone present--much information disseminated by nationally recognized experts.
Research: completed or in progress:	Still in progress.
Research project financed by:	U. S. P. H. S. --National Center for Air Pollution Control and tuition.
Report available from:	Incomplete
Cost of report:	----------------------------------
Other comments:	Only a preliminary report has been provided N. C. A. P. C. Grant will provide for an additional conference in Santa Barbara in 1969.
Name of person submitting information:	Sidney Goren University of California Extension Santa Barbara Campus

3. THE UNIVERSITY OF KANSAS EXTENSION

Title of research project:	Jefferson County Community Project
Brief (one paragraph) abstract:	The University of Kansas is beginning its third year of work in a rural, agricultural county with a population of 12,000. Major emphasis is being placed upon problems which are arising with completion of Perry Dam and the subsequent transition of the area into a recreation center with a projected one and one half million visitors annually. The program has ranged from a lecture-discussion series to specific community development projects in the areas of public safety, public health and beautification.
Significant results:	Public Health and Safety: A county-wide emergency squad is now being organized and training in order to provide first aid as needed around the lake site and county. Beautification: Most towns are now working on independent projects to provide parks, more up to date, cleaner business areas and more attractive highway approaches to the towns. Much of the impetus for these projects came from the County Beautification Congress meetings held last spring.
Research: completed or in progress:	A county-wide community self-survey is now being completed, the results of which promise to be useful in identifying existing problems and needs in the towns as seen by the residents themselves. Major trouble areas which have been identified are: education, law

	enforcement, beautification and more active town governments. These all indicate directions for the project to move in its future work.
Research project financed by:	Title I Higher Education Act Federal Government 45% State of Kansas 27 1/2% The University of Kansas 27 1/2%
Report available from:	Mr. Stuart Tubbs Assistant Director for Community Development 1246 Mississippi Lawrence, Kansas 66044
Cost of report:	None
Other comments:	None
Name of person submitting information:	Nick Derrough, Assistant Director of the Jefferson County Community Project

4. THE UNIVERSITY OF MICHIGAN

Title of research project: The Effects of Selected Programming-Analog Techniques and Voice Contact on Completion Behavior in Correspondence Education

Brief (one paragraph) abstract:

Despite an impressive historical precedent for correspondence education, the method appears to have a serious weakness which needs research attention; namely, "completion-behavior," i. e., the combined difficulties experienced by the correspondence student in: starting promptly, submitting lessons regularly and completing the course. This study tested the effect, on completion behavior, of substituting certain programming-analog techniques for traditional correspondence procedures.

Lacking significant research information pertinent to any aspect of correspondence methodology but drawing on the programming paradigm as a theoretical model, the study first identified claims made for correspondence education in theory, then isolated apparent discrepancies between the claims and the method "in practice"; contending that in contrast to successful and systematic programming, correspondence education lacks (1) control over instructional density, i. e., the amount of learning material given the student; (2) immediate feedback to student's written responses; (3) planned and integrated review; and, in addition though not related to programming; (4) some "voice contact" between instructor and students.

Assuming that the use of selected programming-analog techniques might improve completion behavior in correspondence education, eight lessons of a psychology correspondence course were selected to form a "short course"; and experimental procedures and materials were designed to (1) control instructional density by mailing lessons weekly; (2) provide immediate feedback through "answer guides" with each lesson; (3) encourage recall-review over previous lessons through partially "cued" self-tests; (4) provide voice-contact between instructor and students through bi-weekly telephone conferences; and (5) require participation in How-to-Study materials.

Fifty adults, assigned randomly to either the Control or one of two Experimental groups, completed a personal questionnaire and a 100-item pretest over eight lessons prior to work on the study units and the short course. Five major and six minor hypotheses related to both the study units and the psychology course materials predicted the effects of the experimental treatment on (1) number of students starting (i. e., submitting Lesson One); (2) number of days between registration and "starting" (i. e., start time-lag); (3) number completing the course (i. e., completion rate); (4) time required to complete the study units and the psychology course (i. e., completion time-lag); (5) grade achievement in the course; and (6) attitudes toward the experimental materials and procedures.

The Control group (C) received all learning materials at once (maximum density) and submitted written assignments which were graded and returned. Experimental groups (E-1 and E-2) received one lesson per week (minimum density), each with a sealed "answer guide" and a self-test reviewing the previous lesson, and E group lessons were graded also but not returned; thus E-1 students received no instructor contact. The E-2 group only, participated in four bi-weekly telephone conferences with the instructor. Posttests were administered as students completed, and after the experimental period an attitude questionnaire was sent to all students and supplemented by telephone interviews with some students from each group.

Computer treatment of the data using analysis of variance and the chi-square technique provided comparisons of the differences in behavior between treatment groups. In four of the five major hypotheses (the number who started; completion-rate; completion time-lag; and the number completing all lessons and the examinations) the behavior of the Experimental group (s), differed significantly (P .05, or better) from the Controls. Differences related to minor hypotheses were more often not statistically significant. The study includes suggestions for improving completion behavior in correspondence education, recommendations for further research of a promising nature, expanded details of the experimental procedures, samples of selected experimental materials and a list of 116 related references.

Page Three
The University of Michigan (continued)
(The Effects of Selected Programming-Analog Techniques and Voice Contact on Completion Behavior in Correspondence Education)

Significant results:	----------------------------------
Research: completed or in progress:	Completed
Research project financed by:	A departmental study
Report available from:	Dr. Robert R. Wilson, Research Associate and Supervisor of Correspondence Study, Extension Service, 412 Maynard Street Ann Arbor, Michigan 48104
Cost of report:	No charge
Other comments:	----------------------------------
Name of person submitting information:	Dr. Robert R. Wilson

5. MICHIGAN STATE UNIVERSITY

Title of research project: The Michigan Law Enforcement Inventory and Directory Project

Brief (one paragraph) abstract: The need to systematically gather descriptive information regarding specific aspects of the law enforcement situation in Michigan has been recognized for many years. The project was undertaken to provide responsible legislative and administrative governmental authorities with:

1. Comprehensive data on which to base an appraisal of structural, jurisdictional, manpower and related factors in Michigan Law Enforcement.
2. Baseline data for use in the development of a Comprehensive Law Enforcement and Criminal Justice Plan for the State of Michigan as well as for each governmental unit within the State that has law enforcement responsibilities.

Significant results: No systematic evaluation has been undertaken at this point in the program. The research program is being carried out on a contractual basis with the Michigan Commission on Crime, Delinquency and Criminal Administration and the State Planning Agency Executive Offices of the Governor of the State of Michigan. Programmed activities resulting from specific research projects are administered by these sponsors. Institute staff is responsible for research analysis, interpretation and publication. They are available for educational and program interpretation when called upon as the time schedule permits.

(The Michigan Law Enforcement Inventory and Directory Project)

Research: completed or in progress:

The research gathering process was carried out under the sponsorship and request of the State Governor and his agencies. Publications resulting from this program are, for the most part, still in preparation. Preliminary reports submitted to the Crime Commission are:

"1968 Introduction and Summary of Directory Statistics"
"1968 Yearbook of Michigan Local Law Enforcement Guide to the Police Profile Statistics"

Six other publications are in preparation. They are:

"A Quick Glance At How Michigan's Counties Rank In Staffing and Financing Their Police Departments"
"Selected Police Work Load Characteristics"
"Selected Community Police Administrative and Fiscal Characteristics"
"Selected Police Personnel and Compensation Characteristics"
"Selected Police Interagency Relationships"
"Selected Police Identification and Reporting Characteristics"
"Selected Police Equipment and Facilities Characteristics"

The first general publication of this program is: "Michigan Local Law Enforcement Directory, 1968."

Research project financed by:

Funds from Title VII, Section 701 of the Housing Act of 1954. State funds and University appropriations.

Report available from:	Bruce T. Olson, Research Associate Institute for Community Development Room #27, Kellogg Center Michigan State University East Lansing, Michigan 48823
Cost of report:	----------------------------------
Other comments:	----------------------------------
Name of person submitting information:	Bruce T. Olson

6. UNIVERSITY OF MISSOURI

Title of research project: A Survey of the Green Hills Region, 1967

Brief (one paragraph) abstract: This study on continuing education for women was designed to: 1. Ascertain educational needs and interests of women who had some college credit; and 2. provide the basis for formulating future continuing education programs for women. The study was conducted in nine North Central Missouri counties. A total of 2875 women with some college credit were identified and urged to participate by returning the mail questionnaire. 1551 women returned the questionnaire. Respondents included women with educational attainment ranging from some college credit through graduate study beyond a master's degree.

Significant results: Approximately 55 percent of the women were interested in going to college part-time. Of the 1551 women, 14 percent desired to complete a bachelor's or master's degree. More than 20 percent requested assistance in planning their educational programs. Approximately one-fourth of the respondents indicated interest in non-credit courses, whereas undergraduate credit courses were desired by 29 percent or 454 of the respondents. Twenty-one percent, or 324 of the respondents, desired graduate courses. Slightly more than 40 percent of the respondents indicated a preference for evening course offerings.

Research: Completed or in progress: Since the findings disclosed a significant number of persons who were interested in pursuing degree work in education, an open forum was held on May 4, 1968 for area residents on "Career Opportunities in Professional Education". Subsequently, a two-year program of sequential credit courses was proposed and designed for the area.

	A sequential program of non-credit course offerings for the area is being developed and will start in the Fall of 1968. Bus trips to a nearby metropolitan area to view various offerings in the Arts are planned.
	A Seminar concerned with "Social Change and New Directions in Continuing Education for Women" is proposed for the Spring of 1969.
Research project financed by:	------------------------------------
Report available from:	Mary Nell Greenwood, Director Continuing Education for Women University of Missouri, Whitten Hall Columbia, Missouri, 65201
Cost of report:	A limited number of copies of the report are available for distribution, no charge.
Other comments:	Address inquiries to the institutional representative listed.
Name of person submitting information:	Mary Nell Greenwood, Director Continuing Education for Women

7. UNIVERSITY OF MISSOURI

Title of research project:	Effectiveness of Para-Professionals (Aides) in Working With Low-Income Families.
Brief (one paragraph) abstract:	The University of Missouri has utilized para-professionals (aides) in its educational programs with low-income families. The ultimate aim of the program has been to aid low-income homemakers in acquiring skills and attitudes enabling them to more effectively utilize the resources they have. The aides utilized in the program outreach were recruited primarily from the clientele (low-income) families they were to serve and were trained and supervised by Extension personnel. It was assumed this approach provided an effective means of transmitting educational information and establishing a helping relationship resulting in behavioral changes among the low-income participants.
Significant results:	----------------------------------
Research: completed or in progress:	Phase I - Analysis of the para-professionals or aides at six month intervals regarding such items as personal characteristics, attitude toward self, clientele, job, role perception. Phase II - Appraisal of the relative effectiveness of the aides in working with target families. Data were collected from treatment (participating families) and control (non-participating families) to aid in ascertaining the effectiveness of the aides in accomplishing program objectives.
Research project financed by:	----------------------------------

Page Two
University of Missouri (Continued)
(Effectiveness of Para-Professionals (Aides) in Working With Low-Income Families.)

Report available from:	Mary Nell Greenwood, Director Continuing Education for Women University of Missouri 124 Whitten Hall Columbia, Missouri, 65201
Cost of report:	------------------------------------
Other comments:	This research project is nearing completion.
Name of person submitting information:	Mary Nell Greenwood, Director Continuing Education for Women

8. UNIVERSITY OF MISSOURI - ST. LOUIS

Title of research project:	A Study of "Successful" and "Less Successful" Extension Youth Agents in Missouri with Respect to Their Profiles on the Kuder Preference Record (Vocational) and the Edwards Personal Preference Schedule with Implications for Selection, Training, and Professional Advancement.
Brief (one paragraph) abstract:	The Kuder and the Edwards inventories were administered to 66 Youth Agents in Missouri. These agents were then rated in terms of their job performance by 5 raters, using an instrument designed for this study. A group of "successful" and a group of "less successful" youth agents were identified. Mean scores of these two groups were compared with each other and with the "average" (i. e. remaining) agents in the sample. "Successful" and "less successful" agents were also compared with respect to educational and experiential backgrounds.
Significant results:	Analysis of data still in progress.
Research: completed or in progress:	In progress
Research project financed by:	Extension Division, University of Missouri-St. Louis. (School of Education, University of Missouri-St. Louis - Computer Time)
Report available from:	Margaret C. Fagin Extension Division University of Missouri-St. Louis
Cost of report:	Not yet known.

Other comments: A by-product of the original plan will be a study of the raters: whether certain raters tend to be lenient or strict; the degree of agreement on "successful" and "less successful" agents, etc.

Name of person submitting information: Margaret C. Fagin

9. UNIVERSITY OF MISSOURI - ST. LOUIS

Title of research project:	Financial Need and Managerial Training for the Small Business in the Inner-City
Brief (one paragraph) abstract:	Unavailable in completed form
Significant results:	Unavailable in completed form
Research: completed or in progress:	In progress
Research project financed by:	State of Missouri
Report available from: (when completed)	Dr. Richard W. Furst School of Business Administration University of Missouri 8001 Natural Bridge Road St. Louis, Missouri 63121
Cost of report:	Unavailable
Other comments:	Completion estimated Dec. 31, 1968.
Name of person submitting information:	Dr. Richard W. Furst

10. UNIVERSITY OF MISSOURI - ST. LOUIS

Title of research project:	The Need for a Baccalaureate Program in The Law Enforcement Profession
Brief (one paragraph) abstract:	A study of the need and interest of police administrators, police officers, junior college law enforcement students and high school seniors in the St. Louis city and county for a 4 year university degree in administration of justice.
Significant results:	The need and interest shown by the survey resulted in the creation of a full time curriculum in Administration of Justice, September 1968.
Research: completed or in progress:	Completed
Research project financed by:	U. S. Department of Justice
Report available from:	University of Missouri Extension Division 8001 Natural Bridge Road St. Louis, Missouri 63121
Cost of report:	No charge for 6 page summary.
Other comments:	-----------------------------------
Name of person submitting information:	Eugene P. Schwartz

11. UNIVERSITY OF NEBRASKA

Title of research project:	A Study to Compare the Achievement of Representative Nebraska Students in Physics and Chemistry
Brief (one paragraph) abstract:	This project was designed to assess the relative mid-year achievement level of chemistry and physics students enrolled in correspondence study and resident programs in eight Nebraska schools, representative geographically and of comparable size. One of the schools enrolled 68 students in chemistry and 24 students in physics correspondence courses offered by the University of Nebraska Extension Division. The remaining resident schools enrolled a similar number of chemistry and physics students. The total number of chemistry students tested was 441 while a total of 183 students were examined in physics.
Significant results:	All chemistry and physics students with a similar Intelligence Quotient (regardless of school) were grouped and their achievement score was determined. This score became the anticipated score for the individual student with that Intelligence Quotient. Having arrived at the anticipated score for the average Intelligence Quotient for each of the eight schools, the actual student achievement scores were compared. The resultant average score within the school was divided into the anticipated score to determine the percent expectation which students in one school achieved when compared to other students within the sample.

③

University of Nebraska (continued)
(A Study to Compare the Achievement of Representative Nebraska Students in Physics and Chemistry)

The anticipated score for the correspondence students enrolled in chemistry was 20. 0 while the actual achievement was 22. This represents an achievement of 110% of the anticipated score for the school using the chemistry correspondence course. The anticipated score for correspondence students enrolled in physics was 17. 4. The actual achievement was 21. 0. This represents an achievement of 120% of the anticipated score for this school.

In chemistry the achievement of 110% of the anticipated score by the correspondence students was the highest among the schools represented. In physics the achievement of 120% of the anticipated score was third high among the eight schools. In general, it may be concluded that correspondence students in chemistry and physics achieved test score as good or better than those students enrolled in resident programs.

Research: completed or in progress:	Research completed.
Research project financed by:	University of Nebraska Extension Division
Report available from:	University of Nebraska University Extension Division 511 Nebraska Hall. Lincoln, Nebraska 68508
Cost of report:	------------------------------------
Other comments:	------------------------------------
Name of person submitting information:	John W. Upright

12. UNIVERSITY OF NORTH DAKOTA

Title of research project:	Community Recreation in North Dakota.
Brief (one paragraph) abstract:	Compilation of data and information. Identification of voids and need areas.
Significant results:	Will apparently have strong legislative impact.
Research: completed or in progress:	First phase completed, publication available in November, 1968.
Research project financed by:	Division of Continuing Education
Report available from:	Division of Continuing Education University of North Dakota Grand Forks, North Dakota, 58201
Cost of report:	--
Other comments:	Inquiries indicate this is a relatively new and neglected research area.
Name of person submitting information:	Ben G. Gustafson, Dean

13. UNIVERSITY OF NORTH DAKOTA

Title of research project:	Impact Surveys Relating to Civil Defense Readiness and Acceptance.
Brief (one paragraph) abstract:	Three surveys completed in four years on Public Officials and Community leaders. Follow up on a broader base in preparation.
Significant results:	Guidance in preparation on CDUEP program and informing State Office.
Research: completed or in progress:	Three completed surveys, one in preparation.
Research project financed by:	Division of Continuing Education.
Report available from:	Division of Continuing Education University of North Dakota Grand Forks, North Dakota, 58201
Cost of report:	-------------------------------------
Other comments:	-------------------------------------
Name of person submitting information:	Ben G. Gustafson, Dean

14. UNIVERSITY OF NORTH DAKOTA

Title of research project:	Youth Employment in North Dakota
Brief (one paragraph) abstract:	Compilation of data and information. Identification of critical and neglected groups. Availability and feasibility study.
Significant results:	None available yet.
Research: completed or in progress:	One survey and one state-wide conference. Others in progress.
Research project financed by:	Division of Continuing Education
Report available from:	Division of Continuing Education University of North Dakota Grand Forks, North Dakota, 58201
Cost of report:	--------------------------------------
Other comments:	--------------------------------------
Name of person submitting information:	Ben G. Gustafson, Dean

15. OREGON STATE SYSTEM OF HIGHER EDUCATION - Division of Continuing Education

Title of research project: Continuing Engineering Studies Graduate Program

Brief (one paragraph) abstract: A study to determine the efficiency and acceptability of extending graduate engineering courses to remote locations through the use of a communications net employing telelecture and electrowriter equipment. Two of the three courses offered each term eminated from on-campus classrooms, the third from a classroom at an industrial site. Instruction was made available at four remote locations. Two-way communications were established by telephone.

Significant results: (1) There were no differences in results of written examinations of students at remote locations and those in the classroom with the instructor.
(2) Instructors must carefully plan instruction around use of the equipment.
(3) Total absence of instructor from classroom is not advisable. Students must be provided face-to-face contact upon request.
(4) More acceptable and academically more efficient than one-way television instruction since it affords two-way communication and the option of face-to-face contact if the student wishes.
(5) More efficient financially than providing face-to-face instruction in the same number of locations.

Research: completed or in progress: Completed

Oregon State System of Higher Education - Division of Continuing Education (continued)
(Continuing Engineering Studies Graduate Program)

Research project financed by:	U. S. O. E. and Division of Continuing Education
Report available from:	Mr. Monroe Miller Division of Continuing Education Box 1491, Portland, Oregon 97207
Cost of report:	Not available
Other comments:	------------------------------------
Name of person submitting information:	Leo Foltz

14. THE PENNSYLVANIA STATE UNIVERSITY

Title of research project:	Educational Needs of Managers and Supervisors in Cities, Boroughs, and Townships in Pennsylvania.
Brief (one paragraph) abstract:	The study reports educational needs as seen by 138 managers in 96 cities, boroughs, and townships and 186 supervisors in 28 cities in Pennsylvania. Separate questionnaires were developed for the managers and supervisors. For each of the courses listed the managers and supervisors indicated the extent of their need as "Should Have," "Could Use," or "Don't Really Need." The managers also indicated which of the courses listed represented an educational need of those they supervise. The managers and supervisors provided information on their educational background, methods of updating, and local government attitude toward education. Recommendations are made for updating managers and supervisors in local government.
Significant results:	Managers indicated their own educational needs as being in the areas of management development, public relations and public reporting, and effective communication skills. For those they supervise, managers thought the most important areas were working efficiently with individuals and supervisory training and employee development. Supervisors reported their chief need was for training in the fundamentals of the supervisor's job. Both groups had good educational backgrounds and reported that they were willing to enroll in courses if available locally, and particularly on a non-credit basis.
Research: completed or in progress:	Completed

Page Two
The Pennsylvania State University (Continued)
(Educational Needs of Managers and Supervisors in Cities, Boroughs, and Townships in Pennsylvania)

Research project financed by:	Continuing Education The Pennsylvania State University
Report available from:	Continuing Education Business Office J. Orvis Keller Building The Pennsylvania State University University Park, Pennsylvania, 16802
Cost of report:	$2.00
Other comments:	A four page copy of the Highlights is available without cost from: Department of Planning Studies One Shields Building The Pennsylvania State University University Park, Pennsylvania, 16802
Name of person submitting information:	H. LeRoy Marlow

17. THE PENNSYLVANIA STATE UNIVERSITY

Title of research project: Managerial and Supervisory Educational Needs of Business and Industry in Pennsylvania.

Brief (one paragraph) abstract: Self-perceived educational needs of 705 top managers, 1,202 middle managers, and 1,713 first-line supervisors in 250 companies in Pennsylvania are reported. Separate questionnaires were developed for each of the three levels of management. The extent of educational needs was indicated as "Should Have," "Could Use," or "Don't Really Need." Top and middle managers also indicated which of the courses listed represented training needs of those they supervise. Middle managers and first-line supervisors provided information on their educational background, methods of updating, and company attitudes toward education. Recommendations are made for keeping managers and supervisors up to date.

Significant results: The most needed areas for further education included communication skills, management development, and working efficiently with individuals. Courses which involve improving skills in human relations were seen as needed at all three levels of management. Middle managers and first-line supervisors expressed a readiness to enroll in non-credit courses if they were available locally. Thirty-seven percent of the middle managers and forty three percent of the first-line supervisors were 40 years of age or younger and will have 25 years of productive employment ahead. Further education for updating these managers and supervisors will be needed.

Research: completed or in progress: Completed

Page Two
The Pennsylvania State University (Continued)
(Managerial and Supervisory Educational Needs of Business and Industry in Pennsylvania)

Research project financed by:	Continuing Education The Pennsylvania State University
Report available from:	Continuing Education Business Office J. Orvis Keller Building The Pennsylvania State University University Park, Pennsylvania, 16802
Cost of report:	Research report $5.00 Survey report $2.00 Industrial category reports (19 in all) $1.00 each
Other comments:	A four page copy of the Highlights is available without cost from: Department of Planning Studies One Shields Building The Pennsylvania State University University Park, Pennsylvania, 16802
Name of person submitting information:	H. LeRoy Marlow

18. THE PENNSYLVANIA STATE UNIVERSITY

Title of research project:	Questionnaire Data Analysis of WPSX-TV - A Measurement and Evaluation of its Audience.
Brief (one paragraph) abstract:	This study was preceded by a telephone interview contact with 1,984 families in the WPSX-TV reception area who had TV sets. Of these, 1,648 respondents agreed to fill out and return a questionnaire which was mailed to them. Returns were received from 820 families (50%), which represented 1,936 adults and 779 young people - ages four to fifteen, or 2,715 individuals. The questionnaire sought information on: age, educational levels, and occupational groups; conditions of reception; the availability of information about WPSX-TV programs; type and frequency of programs respondents would like to see; desired instructional courses; and reasons for liking and not liking to watch WPSX-TV.
Significant results:	Sixty-five percent (N=914) of the respondents reported that they or members of their family watch one or more programs a week on WPSX-TV. In only 16 percent (N-135) of the families no one watches WPSX-TV. Women watch the station more often than do men and children. Public Affairs was the most popular type of program, and reasons given for liking to watch WPSX-TV included the availability of discussions of current events and interviews, documentaries and news analysis programs. The greatest interest in instructional courses was in home economics and programs having to do with the family.
Research: completed or in progress:	In progress.
Research project financed by:	Continuing Education The Pennsylvania State University

Page Two
The Pennsylvania State University (Continued)
(Questionnaire Data Analysis of WPSX-TV - A Measurement and Evaluation of Its Audience)

Report available from:
Continuing Education Business Office
J. Orvis Keller Building
The Pennsylvania State University
University Park, Pennsylvania, 16802

Cost of report: -----------------------------------

Other comments: -----------------------------------

Name of person submitting information: H. LeRoy Marlow

39. THE PENNSYLVANIA STATE UNIVERSITY

Title of research project:	Telephone Interview Analysis of WPSX-TV - A Measurement and Evaluation of Its Audience.
Brief (one paragraph) abstract:	The study reports results from telephone contact with respondents from 1,984 families in the central Pennsylvania area who had TV sets. Family respondents who said they or members of their family view WPSX-TV were asked who in the family watched programs; how often the family watched the station; and identified which programs they watched. Non-viewers were asked to give reasons for not viewing; whether they or any member of the family had ever watched the station; whether cable TV service was available in their area, and whether their set was connected to the cable.
Significant results:	Forty-two percent of the 1,984 families who had TV sets watch WPSX-TV (N=842) and fifty eight percent (N=1,142) do not watch the station at present. Only ten percent of the families (N=200) have never watched the station. The study provided reactions to existing programs and statistical data on the audience. The most frequent reason for not watching the station was unsatisfactory antenna reception (40%) though a minority (16%) gave reasons indicating that they knew little or nothing about the station.
Research: completed or in progress:	In progress
Research project financed by:	Continuing Education, The Pennsylvania State University
Report available from:	Continuing Education Business Office J. Orvis Keller Building The Pennsylvania State University University Park, Pennsylvania, 16302

Page Two
The Pennsylvania State University (Continued)
(Telephone Interview Analysis of WPSX-TV - A Measurement and Evaluation of Its Audience.)

Cost of report: ------------------------------------

Other comments: ------------------------------------

Name of person submitting information: H. LeRoy Marlow

20. RUTGERS - THE STATE UNIVERSITY

Title of research project:	Employment of the Hard-core Unemployed
Brief (one paragraph) abstract:	It is intended that a survey of employers who have hired hard-core unemployed under one or another of existing programs will disclose the problems of adapting and integrating such workers into the regular work force.
Significant results:	No results have, as yet, been secured, but it is hoped that the data collected will permit identification of the major problems involved and, based on these, that appropriate programs for supervisors will be formulated.
Research: completed or in progress:	In progress
Research project financed by:	Rutgers University
Report available from:	------------------------------------
Cost of report:	------------------------------------
Other comments:	------------------------------------
Name of person submitting information:	Dr. Jack Chernick, Chairman Research Section, Institute of Management and Labor Relations

21. RUTGERS - THE STATE UNIVERSITY

Title of research project:	Newark Household Survey
Brief (one paragraph) abstract:	Newark population and labor force characteristics were estimated on the basis of an area probability sample of households. Separate estimates were derived for the Central Ward (25 census tracts encompassing many of the City's slum sections) and for the remainder of the City, designated the Frame.
Significant results:	(1) Negroes form a majority of the population of the City (52 percent) against 34 percent in 1960. About 10 percent are Spanish-speaking. (2) A high proportion of the Negro and Spanish-speaking segments of the population are under 16 years of age (almost 50 percent). (3) Unemployment in the City in the Spring of 1967 was 9. 2 percent.
Research: completed or in progress:	Completed
Research project financed by:	State agencies, City of Newark (through E. D. A. funds) and Rutgers University.
Report available from:	IMLR Library, Ryders Lane, Rutgers - The State University of New Jersey, New Brunswick, N. J. 08903 IMLR Research Section, Bldg. 4077 - Kilmer Area, Rutgers - The State University of New Jersey, New Brunswick, N. J. 08903
Cost of report:	----------------------------------
Other comments:	----------------------------------
Name of person submitting information:	Dr. Jack Chernick, Chairman Research Section, Institute of Management and Labor Relations

22. UNIVERSITY OF WASHINGTON

Title of research project:	Correspondence Study Evaluation Project
Brief (one paragraph)abstract:	This is a joint research project undertaken by the state institutions of higher learning within the State of Washington (coordinated by the University of Washington) and designed to present an in-depth survey of faculty and student attitudes toward correspondence study, as well as characteristics of students enrolled in correspondence courses.
Significant results:	Results cannot be fully evaluated until all phases of the research project are completed, but it is anticipated that a number of changes and innovations in the correspondence study format among state institutions will be undertaken as a result of this study.
Research: completed or in progress:	Phase I of the project (student characteristics) has been completed; Phase II (faculty attitudes) is nearing completion; and Phase III (student attitudes) is scheduled to begin shortly. The complete project should be completed by mid-1969.
Research project financed by:	Funds contributed by the participating state institutions of higher learning within the State of Washington.
Report available from:	Office of the Dean Continuing Education University of Washington Seattle, Washington
Cost of report:	Unknown at this time
Other comments:	Complete report will not be available until mid-1969.
Name of person submitting information:	Dr. Lloyd W. Schram Dean, Continuing Education

23. UNIVERSITY OF WISCONSIN

Title of research project:	Rural Poverty (in Wisconsin and North Carolina)
Brief (one paragraph) abstract:	Identify poverty typologies and treatable causal factors.
Significant results:	In process
Research: completed or in progress:	In progress
Research project financed by:	OEO, Agricultural Experiment Station
Report available from:	William Saupe 316 C Agriculture Hall University of Wisconsin Madison, Wisconsin 53706
Cost of report:	No charge
Other comments:	Findings available late 1969 and 1970.
Name of person submitting information:	William Saupe

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